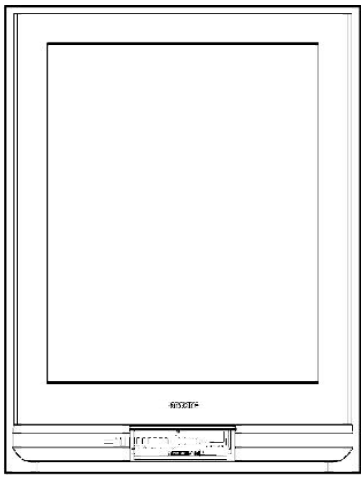
Order No. MTV0501406C3

Service Manual

Colour Television

TX-29P190T

MD3N Chassis



SPECIFICATIONS

Specifications

Power Source	AC Auto 110-240 V, 50/60 Hz
Power Consumption	197 W
	Standby condition: 11 W
Receiving System	
Function	21 Systems
Reception of broadcast	PAL B, G, H
transmissions and	PAL I
Playback	
from Video Cassette Tape	PAL D, K
Recorders	SECAM B, G
	SECAM D, K
	SECAM K1
	NTSC M (NTSC 3.58/4.5 MHz
Playback from special	NTSC 4.43/5.5 MHz
VCRs	NTSC 4.43/6.0 MHz
	NTSC 4.43/6.5 MHz
	NTSC 3.58/5.5 MHz
	NTSC 3.58/6.0 MHz
	NTSC 3.58/6.5 MHz)
	SECAM I
Playback from Special	PAL 60 Hz/5.5 MHz
Disc	

Players and Special VCRs	PAL 60 Hz/6.0 MHz
	PAL 60 Hz/6.5 MHz
	SECAM 60 Hz/5.5 MHz
	SECAM 60 Hz/6.0 MHz
	SECAM 60 Hz/6.5 MHz
	NTSC 50 Hz/4.5 MHz
Receiving Channels	Regular TV
VHF BAND	2-12 (PAL/SECAM B, K1)
	0-12 (PAL B AUST.)
	1-9 (PAL B N.Z.)
	1-12 (PAL/SECAM D)
	1-12 (NTSC M Japan)
	2-13 (NTSC M U.S.A.)
UHF BAND	21-69 (PAL G,H,I/SECAM G,K,K1)
	28-69 (PAL B AUST.)
	13-57 (PAL D,K)
	13-62 (NTSC M Japan)
	14-69 (NTSC M U.S.A.)
CATV	S1-S20 (OSCAR)
	1-125 (U.S.A. CATV)
	C13-C49 (JAPAN)
	S21-S41 (HYPER)
	Z1-Z37 (CHINA)
	5A, 9A (AUST.)
Receiving Stereo System	NICAM I, NICAM B/G, NICAM D, A2 (German)
Tuning System	Frequency synthesizer
	Auto Search Tuning
	POSITION: 100 Position
	DIRECT: 125 Position
High Voltage	31.0 ± 1.0 kV at zero beam current
Picture Tube	Overall Picture tube measured diagonally: 73 cm
	Viewable Picture tube measured diagonally: 68 cm
	CRT Deflection: 104°
Audio Output	8W x 2 (Speaker)
Headphones	3.5 mm Plug
Aerial Impedance	75 Unbalanced Coaxial
Video/Audio/Component	
AV 1, 2, 3, 4	
	S-Video In Y:1 Vp-p, 75
DVD	C:0:3 Vp-p 75
	Y 1.0Vp-p, 75
	PB 0.7Vp-p, 75
	PR 0.7Vp-p, 75
Monitor Out	Video In 1 Vp-p, 75
	Audio In Approx 0.4 V 47 k
	Video Out 1 Vp-p, 75
	Audio Out Approx. 0.4 V 1 k
AV1 IN (Rear): S-Video,	

Video, Audio L/R terminals	
AV2 IN (Front): S-Video, Video, Audio L/R RGB Terminals	
AV3 IN (Rear): Video, Audio L/R terminals	
AV4 IN (Rear): Video or Y/PB/PR, Audio L/R terminals	
RGB Input	High-DENSITY D-sub 15 pin 31.5 kHz/60 Hz (640 x 480 dot) and 31.5 kHz/70 Hz (640 x 400 dot)
Remote Control Transmitter	R6 (AA) Battery x 2
	75 coaxial aerial plug
Dimensions (W x D x H)	758 mm x 515 mm x 582 mm
Weight (Mass)	44 kg (Net)

Note:

Design and Specifications are subject to change without notice.

Weight and Dimensions shown are approximate.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

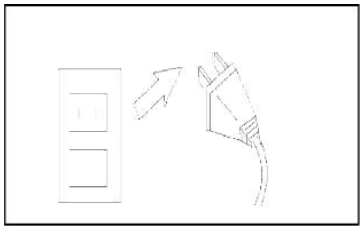
1. Safety Precautions

1.1. General Guide

1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.

2. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.

3. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations, are properly installed.
4. When the receiver is not to be used for a long period of time, unplug the power cord from the AC outlet.



5. Potential, as high as 32.0 kV is present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the receiver chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.2. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.

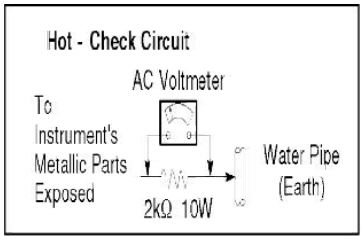
2. Turn on the receiver's power switch.

3. Measure the resistance value, with an ohmmeter, between the jumper AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts, etc. When the

exposed metallic part has a return path to the chassis, the reading should be between 4 M Ω and 20 M Ω . When the exposed metal does not have a return path to the chassis, the reading must be infinite.

1.3. Leakage Current Hot Check (See Fig. 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 2k Ω , 10 W resistor in series with an exposed metallic part on the receiver and an earth such as a water pipe.
3. Use an AC voltmeter, with high impedance type, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.



5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential any point should not exceed 1.0 V rms. In the case of a measurement being outside of the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

1.4. X-Radiation

Warning:

1. The potential sources of X-Radiation in TV sets are the EHT section and the picture tube. /
2. When using a picture tube test rig for service, ensure that the rig is capable of handling 32.0 kV without causing X-Radiation. /

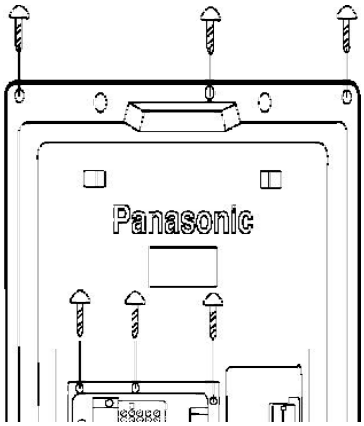
Note: It is important to use an accurate periodically calibrated high voltage meter. /

1. **Set the brightness to minimum.**
2. **Measure the High Voltage. The meter reading should indicate 31.0 ± 1 kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.**
3. **To prevent the possibility of X-Radiation, it is essential to use the specified picture tube.**

2. SERVICE HINTS

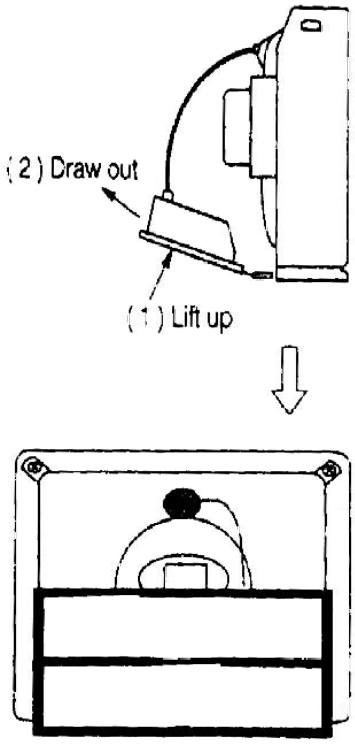
2.1. HOW TO REMOVE THE REAR COVER

1. **Remove the 9 screws as shown in Fig. 1.**



2.2. HOW TO MOVE THE CHASSIS INTO SERVICE POSITION

1. **Hold and lift the rear of the chassis and gently pull the chassis towards you as shown in Fig. 3.**
2. **Release the respective wiring clips and rotate the chassis vertically through 90° anticlockwise.**
3. **After servicing replace the bead clamper and ensure all wiring is returned to its original position before returning the receiver to the customer.**



2.3. HOTEL MODE

Purpose

1. **At Hotels, this Mode prevents the customer from changing the TV preset data such as Channel preset data. / / Note: This Mode is useful for Hotels. You should not get into "Hotel mode" with Normal use.**

Operation

1. **To get into "Hotel Mode", press the remote control "Recall" button and**

   Channel up "[+/]" key on the TV set simultaneously, after setting the "Off-Timer" mode.
2. **In this mode, the Channel up and down Function will be enabled as normal and the maximum volume level for this mode is set at the current volume level, i.e. the setting at the level before entering the mode. However, other functions will be disabled.**

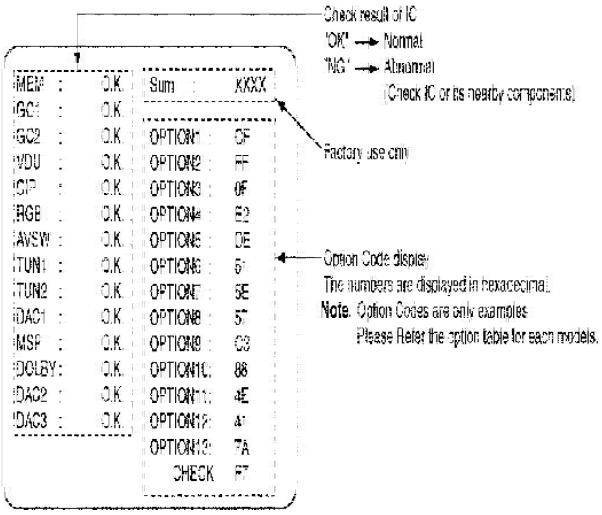
3. **To exit this mode, exit "Off-Timer" mode and the "Volume Down [-/]" key simultaneously. / * This information is informed by Service Manual only.**

3. SELF CHECK

1. **Self-Check is used to automatically check the bus lines and**

hexadecimal code of the TV set.

2. To get into the Self-Check mode, press the down n [-/] button on the customer controls at the front of the set, at the same time pressing the HELP button on the remote control and the screen will show:



4. SERVICE MODE FUNCTION

MPU controls the functions switching for each IIC through IIC bus in this chassis. The following setting and adjustment can be adjusted by remote control in Service Mode.

4.1. HOW TO ENTER SERVICE 1

1. In sound menu, set BASS to MAX and set TREBLE to MINIMUM.

2. Simultaneously press INDEX button on remote control and VOLUME DOWN button [-] on the TV set.

4.2. HOW TO ENTER SERVICE 2

1. Set the channel to CH99.

2. Press HOLD button on remote control. / Note: / To exit Service mode, press N or Power button on remote control.

SERVICE 1

Function	Average Data
H-Pos	87
V-Pos	69
H-Amp	80
V-Amp	144
Parabola	42
Trapezoid	123
H-Parallel	7
V-Linear	36
Top-Corner	22
Bottom-Corner	21
V-S-Correct	12
S-Correct	7
DAF-Phase	189
R High (Drive)	158
G High (Drive)	140
B High (Drive)	174
R Low (Cut off)	412
G Low (Cut off)	384
B Low (Cut off)	299
Sub-Bright	83
Sub-Geomagnetic	135
RF AGC 1	28
Sub-Contrast	103
Sub-Colour	36
Sub-NTSC Tint	2
SECAM B-Y	194
SECAM R-Y	69
RF AGC 2	25
Sub-NTSC Tint2	-5
Sub SECAM B-Y	193
Sub SECAM R-Y	68
Video Gain 2	144
SPL Gain	0

- Press the RED/GREEN button to step up/down through the functions.
- Press the YELLOW/BLUE button to change the function values.
- Press the STR button after each adjustment has been made to store the required values.

① Set the Aspect mode 16:9.
a. Receive PAL signal and adjust each item.
b. Next, receive NTSC signal and adjust each time

② Set the Aspect mode 4:3.
a. Receive PAL signal and confirm the picture.
Adjust each item if necessary.
b. Next, receive NTSC signal and confirm the picture.
Adjust each item if necessary.

CH99 + HOLD button

CH99 − INDEX button

Option Noset			Description	
option1		00		
OE0	o0	1	Colour system (PAL)	PAL(1)
	o1	1		SECAM(1)
	o2	1		NTSC(1)
	o3	1		M/NTSC(1)
	o4	0	Colour system (AV)	PAL(1)
	o5	0		SECAM(1)
	o6	1		NTSC(1)
	o7	1		M/NTSC(1)
option2		00		
OE1	o0	1	CH Plan	AS A/M/E-HK/UK/CHINA(1)
	o1	1		NZ/INDNES(1)
	o2	1		AUSTRALIA(1)
	o3	1		E.EUROPE(1)
	o4	1		SPECIAL(1)
	o5	1		AMERICA(1)
	o6	1		CATV(1)
	o7	1		JAPAN(1)
option3		00		
OE2	o0	1	A2 enable	4.5(1)
	o1	1		5.5(1)
	o2	1		6.0(1)
	o3	1	NICAM enable	6.5(1)
	o4	0		4.5(1)
	o5	0		5.5(1)
	o6	0		6.0(1)
	o7	0		6.5(1)
option4		00		
OE3	o0	0	A2 select 6.5MHz	5.742MHz/0r 5.742MHz(1)
	o1	1	NICAM priority	AS A/M/E(1)
	o2	0		HK/UK(1)
	o3	0		CHINA(1)
	o4	0		NZ/INDONESIA(1)
	o5	1		AUSTRALIA(1)
	o6	1		E.EUROPE(1)
	o7	1		SPECIAL(1)
option5		00		
OE4	o0	0	virtual Dolby Surround	enable(1)
	o1	1	NICAM Cable	enable(1)
	o2	1	Noise mute	Noise mute enable(1)
	o3	1	Monitor out AV1 mute	Monitor out AV1 mute(1)
	o4	1	SIF	4.5(1)
	o5	1		5.5(1)
	o6	1		6.0(1)

Option Model			Description	
option1		00		
OE0	b0	1	Colour system (TV)	PAL(1)
	b1	1		SECAM(1)
	b2	1		NTSC(1)
	b3	1		M.NTSC(1)
	b4	0	Colour system (AV)	PAL(1)
	b5	0		SECAM(1)
	b6	1		NTSC(1)
	b7	1		M.NTSC(1)
option2		00		
OE1	b0	1	CH Plan	AS A/M,E-HK/UK/CHINA(1)
	b1	1		NZ/INDNES(1)
	b2	1		AUSTRALIA(1)
	b3	1		E.EUROPE(1)
	b4	1		SPECIAL(1)
	b5	1		AMERICA(1)
	b6	1		CATV(1)
	b7	1		JAPAN(1)
option3		00		
OE2	b0	1	A2 enable	4.5(1)
	b1	1		5.5(1)
	b2	1		6.0(1)
	b3	1	NICAM enable	6.5(1)
	b4	0		4.5(1)
	b5	0		5.5(1)
	b6	0		6.0(1)
	b7	0		6.5(1)
option4		00		
OE3	b0	0	A2 select 6.5MHz	5.7421MHz(0) 6.7421MHz(1)
	b1	1	NICAM priority	AS A/M,E(1)
	b2	0		HK/UK(1)
	b3	0		CHINA(1)
	b4	0		NZ/INDONESIA(1)
	b5	1		AUSTRALIA(1)
	b6	1		E.EUROPE(1)
	b7	1		SPECIAL(1)
option5		00		
OE4	b0	0	Virtual Dolby Surround	enable(1)
	b1	1	NICAM Cable	enable(1)
	b2	1	Noise mute	Noise mute enable(1)
	b3	1	Monitor out AV1 mute	Monitor out AV1 mute(1)
	b4	1	SIF	4.5(1)
	b5	1		5.5(1)
	b6	1		6.0(1)

5. ADJUSTMENT PROCEDURE

5.1. VOLTAGE CONFIRMATION

Item / preparation

1. +B voltage

Adjustment procedure

1. TPA55: 144.8 ± 1V
2. TPA56: 12 ± 1V
3. TPA57: 9 ± 1V
4. TPA: 2.5 ± 0.25V

5.2. E.H.T CHECK

Item / preparation

1. Receive an RF signal, window or crosshatch pattern.
2. Set the Brightness and Contrast to minimum (0 Beam)
3. Connect the High Voltage Voltmeter to the CRT ANODE CAP.
4. The set should be switched to AV (no input) contrast and brightness minimum.

Adjustment procedure

1. Check the EHT voltage is (32.0 1.0) kV.
2. Switch from AV mode to TV.
3. With the Brightness and the contrast controls MAX, check that the high voltage does not drop more than 3.0 kV from the above measurement with R.F. signal.

5.3. SUB CONTRAST

Item / preparation

1. Receive PAL colour bar pattern
2. Connect oscilloscope to A51 pin 48.

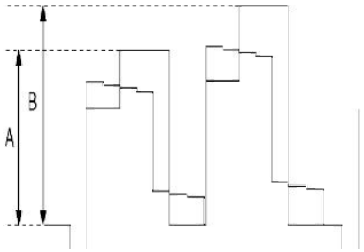
3. Set controls: CAP.
   BRT.....CENTER
   COLOUR.....CENTER
   CONTRAST....MAX
   AI.....OFF

Adjustment procedure

1. Adjust Sub Contrast (Service 1):
   A = 3.85 0.1V

Fig. 1

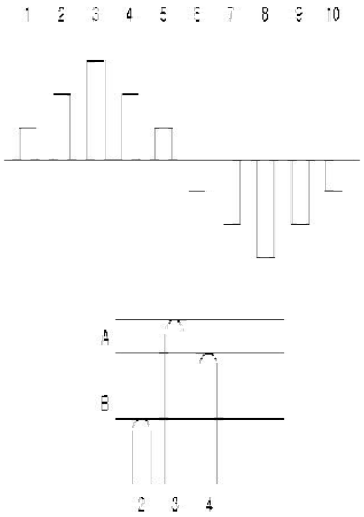
2. Adjust Video gain 2 (Service 1) so that Sub picture level B becomes as same as Main picture level A.



5.4. SUB TINT

Item / preparation

1. Receive a 3.58 MHz NTSC rainbow pattern.



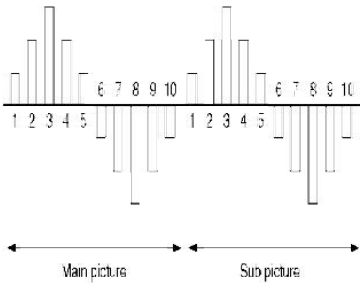
A:B = 2:3

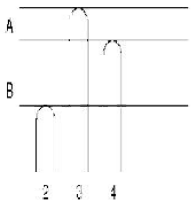
Fig. 3

2. **Connect oscilloscope to A51 pin 50.**
3. **Set controls:**
   BRT.....CENTER
   COLOUR.....CENTER
   CONTRAST....MAX
   NTSC TINT.....CENTER
   AI.....OFF

Adjustment procedure

1. **Adjust Sub NTSC Tint so that the peak of level of waveform is similar to Fig. 3**
2. **Receive the Rainbow pattern (3.58 MHz NTSC) on both of Main and Sub pictures.**
3. **Adjust Sub NTSC Tint 2 so that the peak of level of waveform is similar to Fig. 4.**





A:B = 2:3

Fig. 4

5.5. SUB COLOUR

Item / preparation

1. **Receive a 3.58 MHz NTSC rainbow pattern.**
2. **Connect oscilloscope to A51 pin 48.**
3. **Set controls:**
   BRT.....CENTER
   COLOUR.....CENTER
   CONTRAST....MAX
   AI.....OFF

Adjustment procedure

1. **Adjust Sub Colour:**
   A = 3.3 0.5V

5.6. VRS ADJUSTMENT

1. **PREPARATION**

A. Set DY to CRT not to tilt up and down and left and right deflection. (Fig. 1)

B. Set CY to CRT and set CY magnet primarily. / Pur Mg: Set Pur Mg that 2 magnets are vertical position. / VRS Mg: Set VRS Mg that 2 magnets are side position.

C. Set geomagnetic correction DAC [0].

2. ADJUSTMENT

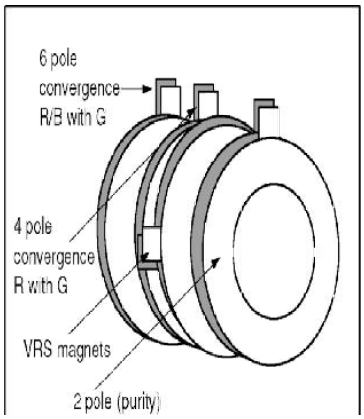
A. Receive the white balance pattern.

B. Adjust V-CENTER.

C. Set R,B CUT OFF to minimum (0) and set G CUT OFF to center (511).

D. Receive the aging pattern.

E. Set 2 magnets of vertical position to up and down equally so that center part of CRT. (Fig. 3)



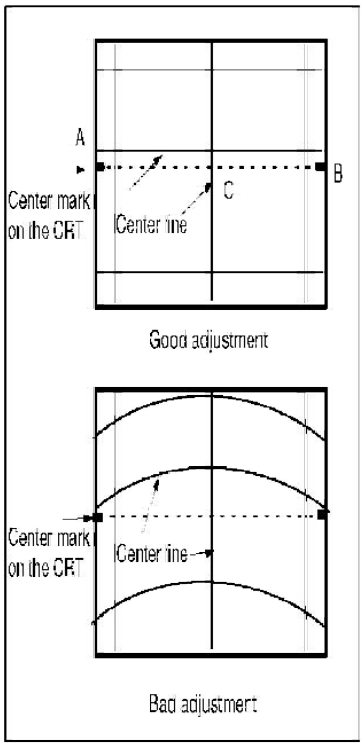
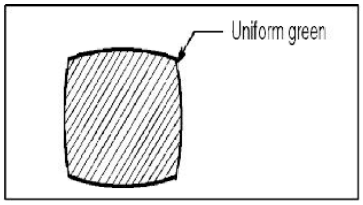


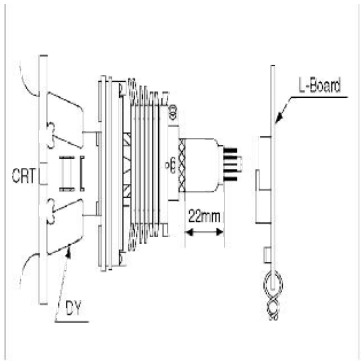
Fig. 3

5.7. COLOUR PURITY

1. Operate the TV set for over 60 minutes.
2. Receive a purity pattern signal. (white pattern)
3. Set Bright and Contrast controls to their maximum positions.
4. Set V-POS to 63 DAC.
5. Adjust roughly the static convergence magnets.
6. Fully degauss the picture tube using an external degaussing coil.
7. Loosen a clamp screw for the deflection yoke and move the deflection yoke as close to the purity magnet as possible.
8. Adjust the purity magnet so that a vertical green field is obtained at the center of the screen.
9. Slowly press the deflection yoke and set it where a uniform green field is obtained.



10. Adjust roughly the Low Light controls and make sure that a uniform white field is obtained.
11. Tighten the clamp screw.



5.8. CONVERGENCE

1. INSTRUMENT
   A. Helmhortz device
2. PREPARATION
   A. Set the Helmhortz device to local magnetic field. / Horizontal: 0 ± 0.03 x10^{-4} T
   B. Receive the cross hatch pattern.
   C. Picture menu: DYNAMIC Normal and adjust BRIGHT DAC until gray portion of cross hatch.
   D. Set DY to CRT not to tilt (up and down and left and right).
3. ADJUSTMENT
   A. Static convergence Adjustment
      a. Make sure that magnets are positioned shown in Fig. 1.
      b. Adjust 4-pole magnets (Fig. 1) to align center dots of R and B and adjust 6-pole magnets to align center dots to G.
      c. After adjustment, secure magnets with magnet lock of white lacquer. / *Beams move with rotating when static magnets are turned. / Rotational reduce of beams differs by angle of two magnets. / Therefore, repeat magnet adjustments several times so that all are aligned completely.

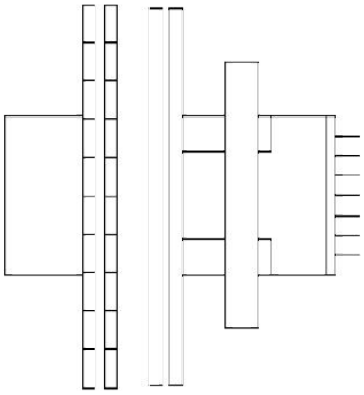


Fig. 1

B. YHC, YV, XV, Adjustment (Fig. 2)

a. Adjust so that Static and Dynamic convergence is best with YHC, VR, YV and XV coil. / In case of static convergence is tilted, repeat (1) Static convergence Adjustment.

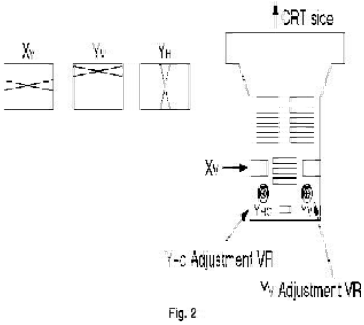


Fig. 2

C. Dynamic convergence Adjustment

a. When dynamic convergence is bad, fixing permalloy between neck and DY so that dynamic convergence is best.

4. Confirm that left upper side line is straight. / When left upper side line isn't straight, put magnet on DY and adjust the left upper side line to straight.

5.9. CUT OFF

Preparation

1. Receive a colour bar signal with colour "OFF" and operate the TV set more than 15 minutes.

2. Set the picture menu to "DYNAMIC NORMAL" and the AI to off.

3. Connect an oscilloscope to TPL7 with DC mode.

4. Set the TV set to Service Mode 1.

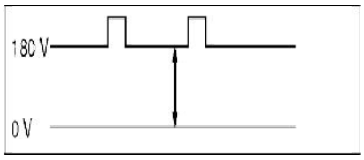
5. Screen VR: Min.

6. **Set the data level of SUB BRIGHT, R, G, B-CUTOFF and R, G, B-DRIVE to the table values.**

   - **R High (R-CUT OFF) - 256**
   - **G High (G-CUT OFF) - 512**
   - **B High (B-CUT OFF) - 256**
   - **R Low (R-DRIVE) - 128**
   - **G Low (G-DRIVE) - 128**
   - **B Low (B-DRIVE) - 128**
   - **SUB RIGHT - 136**

Adjustment

1. **Select G-CUTOFF adjustment mode and collapse vertical scan.**
2. **Adjust G-CUTOFF control to become the DC = 0V to video level at 180V as shown below.**



3. **Slowly turn the screen control clockwise until a green colour horizontal line appears on the picture tube. This is the setting point for the screen control. / Note that do not adjust the G-CUTOFF setting in the following procedure.**

4. **Adjust the remained R and B-CUTOFF controls so as to get a white horizontal line on the screen.**

5. **Return to full field SCAN by pushing the position 5 key on the remote control.**
6. **Adjust the R-Drive and B-Drive controls as to obtain uniform white on the white bar of the greyscale pattern.**
7. **Confirm correct B/W rendition and greyscale tracking or repeat CUTOFF and drive control setup. / Note: / Write down the original value for each address**

adjusment before adjusting anything.

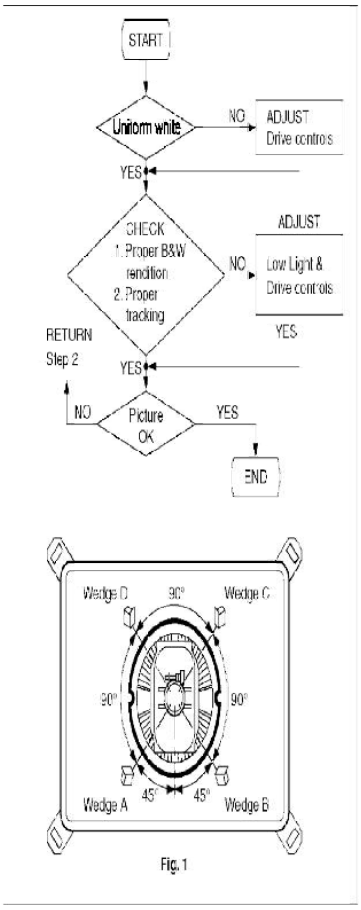


Fig. 1

8. Wedge A shown in Fig. 1 should be fixed within a range of 45° to the left of the vertical line as shown.
9. After inserting wedge A, insert wedges B, C and D. / The wedges should be set 90° apart from each other.
10. Be certain that the four wedges are firmly fixed and the deflection yoke is tightly clamped in place otherwise the deflection yoke may shift its position and cause a loss of convergence and purity.

5.10. WHITE BALANCE

Item / preparation

1. Select Service Mode 1.
2. Aging should have been performed over 30 minutes.
3. Receive the white balance pattern.
4. Picture menu: DYNAMIC NORMAL.
   AI: OFF

5. Degauss the CRT face.
6. Connect the photo sensors of the Colour Analyser to the CRT.
   Note:
   CRT cut off adjustment is completed.

Adjustment procedure

1. Adjustment of Low Light
   Adjustment SUB BRIGHT, so that “Y” axis indicates 6.5
   Adjustment R-CUT OFF, so that y axis indicates 0.248.
   Adjustment B-CUT OFF, so that x axis indicates 0.247
2. Adjustment of High Light
   Adjust SUB BRIGHT, so that “Y” axis indicates 150.
   Adjust R-DRIVE, so that y axis indicates 0.264.
   Adjust B-DRIVE, so that x axis indicates 0.258.

5.11. FOCUS

Item / preparation

1. Receive a cross-hatch pattern signal.

Adjustment procedure

1. Adjust the Focus to thin all the Lines by Focus 1 Control.
   (Prefer to thin the Vertical Lines than Horizontal Line.)
2. Adjust the Focus to thin the Horizontal Lines by Focus 2 Control.

5.12. GEOMAGNETIC

Item / preparation

1. Demagnetize the GM-Board around its perimeter with the Demagnetizer.
2. Set to control:
   Geomagnetic.....Auto

Adjustment procedure

1. Connect a DC voltage meter to TPGM1-2pin (GM-Board)
2. Adjust the R4863 (GM-Board) so that the Vx Out at TPGM1-2pin becomes 4.9 0.05 V
3. Connect a DC voltage meter to TPGM1-1pin (GM Board)
4. Adjust the R4861 (GM-Board) so that the Vy Out at TPGM1-1pin becomes 4.9 0.05 V

5.13. SUB BRIGHT

Item / preparation

1. Receive the sub bright pattern.
2. Picture Menu:
   BRT.....CENTER
   COLOUR.....CENTER
   CONT.....MAX
3. Connect the photo sensor of the Colour Analyser to the center of the CRT.

Adjustment procedure

1. Adjust Sub Bright so that brightness level becomes 1 0.2 cd/m2.

6. DEFLECTION ADJUSTMENT

6.1. V-ADJUSTMENT/ / CONFIRMATION (4:3 MODE)

6.1.1. V-CENTER ADJUSTMENT (4:3 MODE)

6.1.1.1. 100i V-POS ADJUSTMENT

1. Receive PAL monoscope pattern.
2. Set scan mode to 100Hz by remote control key.
3. Adjust V-POS (100i / 4:3) so that the scale of the top and bottom side is equal.

6.1.1.2. 120i V-POS ADJUSTMENT

1. Receive NTSC monoscope pattern.
2. Set scan mode to 100Hz by remote control key.
3. Adjust V-POS (120i / 4:3) so that the scale of the top and bottom side is equal.

6.1.1.3. 50p V-POS ADJUSTMENT

1. Receive PAL monoscope pattern.
2. Set scan mode to progressive by remote control key.
3. Adjust V-POS (50p / 4:3) so that the scale of the top and bottom side is equal.

6.1.1.4. 60p V-POS ADJUSTMENT

1. Receive NTSC monoscope pattern.
2. Set scan mode to progressive by remote control key.
3. Adjust V-POS (60p / 4:3) so that the scale of the top and bottom side is equal.

6.1.2. V-HEIGHT ADJUSTMENT (4:3 MODE)

6.1.2.1. 100i V-AMP ADJUSTMENT

1. Receive PAL monoscope pattern.
2. Set scan mode to 100 Hz by remote control key.

3. Adjust V-AMP (100i / 4:3) so that B, D (Fig. 2) is 2.1 ± 0.1.

6.1.2.2. 120i V-AMP ADJUSTMENT

1. Receive NTSC monoscope pattern.

2. Set scan mode to 100 Hz by remote control key.

3. Adjust V-AMP (120i / 4:3) so that B, D (Fig. 2) is 2.1 ± 0.1.

6.1.2.3. 50p V-AMP ADJUSTMENT

1. Receive PAL monoscope pattern.

2. Set scan mode to progressive by remote control key.

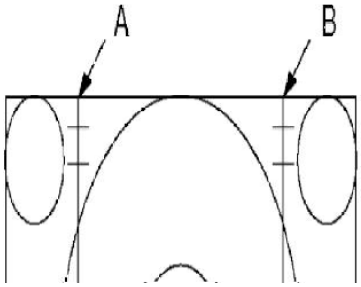
3. Adjust V-AMP (50p / 4:3) so that B, D (Fig. 2) is 2.1 ± 0.1.

6.1.2.4. 60p V-AMP ADJUSTMENT

1. Receive NTSC monoscope pattern.

2. Set scan mode to progressive by remote control key.

3. Adjust V-AMP (60p / 4:3) so that B, D (Fig. 2) is 2.1± 0.1.



6.2. H-DEFLECTION CONFIRMATION/ADJUSTMENT (4:3 MODE)

6.2.1. H-CENTER ADJUSTMENT (4:3 MODE)

6.2.1.1. 100i H-POS ADJUSTMENT

1. Receive PAL monoscope pattern.

2. Set scan mode to 100 Hz by remote control key.
3. Adjust H-POS (100i / 4:3) so that the horizontal position is center of CRT.

6.2.1.2. 120i H-POS ADJUSTMENT

1. Receive NTSC monoscope pattern.
2. Set scan mode to 100 Hz by remote control key.
3. Adjust H-POS (120i / 4:3) so that the horizontal position is center of CRT.

6.2.2. H-WIDTH ADJUSTMENT (4:3 MODE)

6.2.2.1. 100i H-AMP ADJUSTMENT

1. Receive PAL monoscope pattern.
2. Set scan mode to 100 Hz by remote control key.
3. Adjust H-AMP (100i / 4:3) so that both of the edges are within A, B = 2.5 ± 0.2.

6.2.2.2. 120i H-AMP ADJUSTMENT

1. Receive NTSC monoscope pattern.
2. Set scan mode to 100 Hz by remote control key.
3. Adjust H-AMP (120i / 4:3) so that both of the edges are within A, B = 2.5 ± 0.2.

6.3. EW ADJUSTMENT/CONFIRMATION (4:3 MODE)

6.3.1. 100i SIDE EW ADJUSTMENT (4:3 MODE)

1. Receive PAL cross-hatch pattern.
2. Set scan mode to 100 Hz by remote control key.
3. Adjust the vertical line to straight by Parabola (100i / 4:3).
4. Adjust the vertical line to straight line of both sides vertical line in Fig.

4 by Trapezoid (100i / 4:3).

5. Confirm there is no H-parallel distortion. / If there is distortion, adjust by H-Parallel (100i / 4:3). / In that case, repeat 4 and 5 so that there is no trapezoid / parallel distortion.
6. Confirmation EW of the corner side. / If need, adjust Top-Corner (100i / 4:3) and Bottom Corner (100i / 4:3).
7. Confirm bow level of the both side. / If it is not symmetrical, adjust C-Correct (100i / 4:3).

6.3.2. 120i EW ADJUSTMENT (4:3 MODE)

1. Receive NTSC cross-hatch pattern.
2. Set scan mode to 100 Hz by remote control key.
3. Adjust the vertical line to straight by Parabola (120i / 4:3).
4. Adjust the vertical line to straight line of both sides vertical line in Fig. 4 by Trapezoid (120i / 4:3).
5. Confirm there is no H-parallel distortion. / If there is distortion, adjust by H-Parallel (120i / 4:3). / In that case, repeat 4 and 5 so that there is no trapezoid / parallel distortion.
6. Confirmation EW of the corner side. / If need, adjust Top-Corner (120i / 4:3) and Bottom Corner (120i / 4:3).
7. Confirm bow level of the both side. / If it is not symmetrical, adjust C-Correct (120i / 4:3).

6.3.3. 50p EW ADJUSTMENT (4:3 MODE)

1. **Receive PAL cross-hatch pattern.**
2. **Set scan mode to progressive by remote control key.**
3. **Adjust the vertical line to straight by Parabola (50p / 4:3).**
4. **Adjust the vertical line to straight line of both sides vertical line in Fig. 5 by Trapezoid (50p / 4:3).**
5. **Confirm there is no H-parallel distortion. / If there is distortion, adjust by H-Parallel (50p / 4:3). / In that case, repeat 4 and 5 so that there is no trapezoid / parallel distortion.**
6. **Confirmation EW of the corner side. / If need, adjust Top-Corner (50p / 4 :3) and Bottom Corner (50p / 4:3).**
7. **Confirm bow level of the both side. / If it is not symmetrical, adjust C-Correct (50p / 4:3).**

6.3.4. 60p SIDE PINCUSSION ADJUSTMENT (4:3 MODE)

1. **Receive NTSC cross-hatch pattern.**
2. **Set scan mode to progressive by remote control key.**
3. **Adjust the vertical line to straight by Parabola (60p / 4:3).**
4. **Adjust the vertical line to straight line of both sides vertical line in Fig. 5 by Trapezoid (60p / 4:3).**
5. **Confirm there is no H-parallel distortion. / If there is distortion, adjust by H-Parallel (60p / 4:3). / In that case, repeat 4 and 5 so that there is no trapezoid / parallel distortion.**
6. **Confirmation EW of the corner side. / If need, adjust Top-Corner (60p / 4 :3) and Bottom Corner (60p / 4:3).**
7. **Confirm bow level of the both side. / If it is not symmetrical, adjust C-Correct (60p / 4:3).**

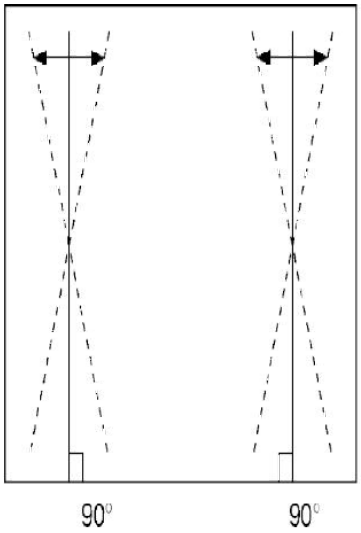


Fig. 5

6.4. V LINIALITY ADJUSTMENT / CONFIRMATION (4:3 MODE)

6.4.1. 100i V-Linear ADJUSTMENT

1. Receive PAL monoscope pattern.
2. Set scan mode to 100 Hz by remote control key.
3. Confirm V-linear (100i / 4:3) as to the balance of circle. / If needed, adjust V-linear (100i / 4:3).

6.4.2. 120i V-Linear ADJUSTMENT

1. Receive NTSC monoscope pattern.
2. Set scan mode to 100 Hz by remote control key.
3. Confirm V-linear (120i / 4:3) as to the balance of circle. / If needed, adjust V-linear (120i / 4:3).

6.4.3. 50p V-Linear ADJUSTMENT

1. Receive PAL monoscope pattern.
2. Set scan mode to progressive by remote control key.
3. Confirm V-linear (50p / 4:3) as to the balance of circle. / If needed, adjust V-linear (50p / 4:3).

6.4.4. 60p V-Linear ADJUSTMENT

1. Receive NTSC monoscope pattern.
2. Set scan mode to progressive by remote control key.
3. Confirm V-linear (60p / 4:3) as to the balance of circle. / If needed, adjust V-linear (60p / 4:3).

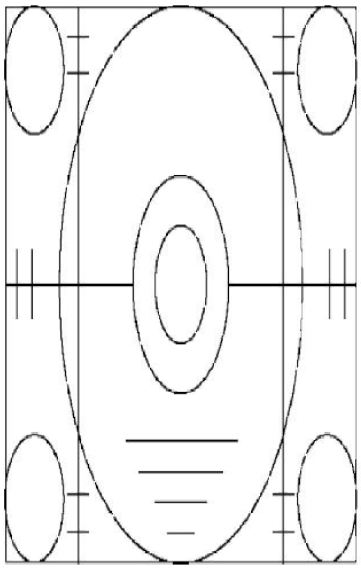


Fig. 6

6.5. DEFLECTION (16:9 MODE) ADJUSTMENT / CONFIRMATION

6.5.1. DATA SETTING (16:9)

1. Copy the adjusted data of 100i / 4:3 mode to 100i / 16:9 in the table 1 (Except H-POS, V-S-Correct).
2. Copy the adjusted data of 120i / 4:3 mode to 120i / 16:9 in the table 1 (Except H-POS, V-S-Correct).
3. Copy the adjusted data of 50p / 4:3 mode to 50p / 16:9 in the table 1 (Except H-POS, H-AMP, V-S-Correct, C-Correct) and copy the data of 100i / 4:3 to 50p / 16:9 about H-AMP and C-Correct.
4. Copy the adjusted data of 60p / 4:3 mode to 60p / 16:9 in the table 1 (Except H-POS, H-AMP, V-S-Correct, C-Correct) and copy the data of 120i / 4:3 to 60p / 16:9 about H-AMP and C-Correct.

6.5.2. V-AMP (16:9) ADJUSTMENT

1. Receive PAL monoscope pattern.
2. Set the aspect to 16:9
3. Set scan mode to 100 Hz
4. Confirm that A, B in Fig. 7 is 5.0 cm ± 1 cm. If not, adjust V-AMP (100i / 16:9).
5. Set scan mode to progressive.
6. Confirm that A, B in Fig. 7 is 5.0 cm ± 1 cm. If not, adjust V-AMP (50p / 16:9).
7. Receive NTSC monoscope pattern.

8. Set scan mode to 100 Hz.
9. Confirm that A, B in Fig. 7 is 5.0 cm ± 1 cm. If not, adjust V-AMP (120i / 16:9).
10. Set scan mode to progressive.
11. Confirm that A, B in Fig. 7 is 5.0 cm ± 1 cm. If not, adjust V-AMP (60p / 16:9).

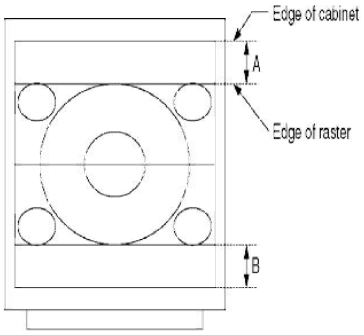


Fig. 7

6.6. 525p DEFLECTION ADJUSTMENT / CONFIRMATION

6.6.1. V, H-HOLD CONFIRMATION

1. Receive 525p signal through Yuv input.
2. Confirm V, H-hold is normal.

6.6.2. H-CENTER (525p) CONFIRMATION / ADJUSTMENT

1. Receive 525p signal.
2. Copy the data of 00h to EEROM ADDRESS [333] (525p / H-POS).
3. Copy the data of F5h to EEROM ADDRESS [332] (525p / H-POS).
4. Confirm H-center and if needed, adjust H-POS (525p).

6.7. 625p DEFLECTION ADJUSTMENT

6.7.1. H-CENTER (625p) ADJUSTMENT

1. Receive 625p signal.
2. Copy the data of EEROM ADDRESS [332] (525p / H-POS) to EEROM ADDRESS [330] (625p / H-POS).
3. Copy the data of EEROM ADDRESS [333] (525p / H-POS) to EEROM ADDRESS [331] (625p / H-POS).

6.8. VGA480 / 60 Hz DEFLECTION ADJUSTMENT / CONFIRMATION

6.8.1. V-CENTER ADJUSTMENT

1. Adjust V-POS (VGA) so that center of the crosshatch pattern is center of the CRT.

6.8.2. V-HEIGHT ADJUSTMENT

1. Adjust V-AMP (VGA) so that A = B in Fig. 8.

6.8.3. H-CENTER ADJUSTMENT

1. Adjust H-POS (VGA) so that horizontal position is center of CRT.

6.8.4. H-WIDTH ADJUSTMENT

1. Adjust H-AMP (VGA) so that C = D in Fig. 8.

6.8.5. EW ADJUSTMENT

1. Adjust the vertical line to straight line by Parabola (VGA).
2. Adjust the vertical line to straight line of both side vertical line in Fig. 9 by Trapezoid (VGA).
3. Confirm there is no H-Parallel distortion. / If there is distortion, adjust by H-Parallel (VGA). / In that case, repeat 2 and 3 so that there is no trapezoid / parallel distortion.
4. Confirmation vertical pincushion of the corner side. / If needed, adjust Top-Corner (VGA) and Bottom-Corner (VGA).
5. Confirm bow level of the both side. / If it is not symmetrical, adjust C-Correct (VGA).
6. Set H-SIZE in the user control to NORMAL. / (No need, if SELF CHECK is done before shipping.)

6.9. VGA400 / 70 Hz DEFLECTION ADJUSTMENT / CONFIRMATION

6.9.1. V-CENTER ADJUSTMENT

1. Adjust V-POS (VGA 400) so that center of the crosshatch pattern is center of the CRT.

6.9.2. V-HEIGHT ADJUSTMENT

1. Adjust V-AMP (VGA 400) so that A = B in Fig. 10.
2. Add 10 dac to the above data and set to EEPROM [336].

6.9.3. V-LINEARITY CONFIRMATION / ADJUSTMENT

1. Confirm V-linear as to the balance of the circle. / If needed, adjust V-linear (VGA 400).

6.9.4. EW ADJUSTMENT

1. Confirm the vertical line is straight line. / If needed, adjust the vertical line to straight line by Parabola (VGA 400).
2. Confirm both sides vertical line in Fig. 1 are straight line. / If needed, adjust the vertical line to straight line of both side vertical line in Fig. 11 by Trapezoid (VGA 400).
3. Set H-SIZE in the user control to NORMAL. / (No need, if SELF CHECK is done before shipping).

6.10. TABLE 1

mode	10(i (PAL) 14:9)	10(i (PAL) 16:9)	12(i (NTSC) 14:9)	12(i (NTSC) 16:9)	90i (PAL) 4:3)	50p (PAL) 16:9)	30p (NTSC) 4:3)	60p (NTSC) 16:9)	525p (YUV) 4:3	525p (YUV) 16:9	525p (YUV) 4:3	525p (YUV) 16:9	VGA 480/60H z	VGA 400/7 0Hz
H-POS	ADJ D00	- -	- -	- -	- -	- -	....	- -	ADJ D02	- -	COPY 00	- -	ADJ D03	....
V-POS	ADJ D10	COPY D10 D14	ADJ D11	COPY D1 D15	ADJ D12	COPY D12 D16	ADJ D13	COPY D13 D17	ADJ D15	- -	ADJ D18	- -	ADJ D1A	....
H-AMP	ADJ D27	ADJ D2B	COPY D27 D28	COPY D2B D2C	COPY D27 D29	COPY D2B D2D	COPY D27 D2A	COPY D2B D2E	ADJ D3C	- -	ADJ D2F	- -	ADJ D31	....
V-AMP	ADJ D3E	ADJ D42	ADJ D3F	ADJ D43	ADJ D40	ADJ D44	ADJ D41	ADJ D45	ADJ D47	- -	COPY D48	- -	ADJ D49	....
V-SLK	ADJ D55	ADJ D59	COPY D56 D56	COPY D59 D5A	COPY D56 D57	COPY D59 D5B	COPY D56 D58	COPY D59 D5C	ADJ D5E	- -	ADJ D5C	- -	ADJ D5F	....
Parabola	ADJ D6C	ADJ D70	COPY D6C D6D	COPY D70 D7	COPY D6C D6E	COPY D70 D72	COPY D6C D6F	COPY D70 D73	ADJ D75	- -	ADJ D74	- -	ADJ D76	....
Trapezoid	ADJ D83	ADJ D87	ADJ D84	ADJ D88	ADJ D85	ADJ D89	ADJ D86	ADJ D8A	ADJ D8C	- -	COPY D83	- -	ADJ D8D	....
V-Linear	ADJ D9A	COPY D9A D9E	ADJ D9B	COPY D9E D9F	ADJ D9C	COPY D9C DAC	ADJ D9D	COPY D9C DA1	ADJ DA3	- -	ADJ DA2	- -	ADJ DA4	....
Top Corner	ADJ DB1	ADJ D55	ADJ DB2	ADJ D56	ADJ DB3	ADJ D87	ADJ D54	ADJ DB5	ADJ DBA	- -	ADJ D96	- -	ADJ DD2	....
Bottom Corner	ADJ DC6	ADJ DCC	ADJ DC8	ADJ DCD	ADJ DCA	ADJ DCE	ADJ DC9	ADJ DCF	ADJ DD1	- -	ADJ DDC	- -	ADJ DD2	....
V-S Correct	FIX (23) D0F	FIX (19) DE3	FIX (221) DE0	FIX (23) DE4	FIX (2C) DE1	FIX (1E) DE5	FIX (61) DE2	FIX (23) DE6	FIX (2E1) DE8	- -	FIX (2D) DE7	- -	FIX (2C) DE9	....

[].... EEPOM ADDRESS

7. CONDUCTOR VIEWS

7.1. A-Board 1/2

7.2. A-Board 2/2

8. SCHEMATIC DIAGRAMS

8.1. SCHEMATIC DIAGRAM NOTES

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

Notes:

1. **Resistor**
   All resistors are carbon 1/4W resistor, unless marked as follows.
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
   - : Nonflammable
   - : Solid
   - : Wire Wound
   - : Metal Oxide
   - : Metal Film
   - : Fuse:
2. **Capacitor**
   All capacitors are ceramic 50V capacitor, unless marked as follows.
   Unit of capacitance is uF, unless otherwise noted.
   - : Temperature Compensation
   - : Polyester
   - : Metalized Polyester
   - : Polypropylene
   - : Electrolytic
   - : Bipolar
   - : Dipped Tantalum
   - : Z-Type
3. Coil
   Unit of inductance is uF, unless otherwise noted.
4. Test Point
   - : Test Point position
5. Earth Symbol
   - : Chassis Earth (Cold)
   - : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   - Power Source ..... AC 110-240V, 50/60 Hz
   - Receiving Signal ..... Colour Bar signal (RF)
   - All customers controls ..... Maximum positions
7. Number in red circle indicates waveform number.
   (See waveform pattern table.)
8. When arrow mark (↗) is found, connection is easily found from the direction of arrow.
9. Indicates the major signal flow. : Video : Audio

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
      Connect the earth of instruments to the earth connection of the circuit being measured.
   d. Make sure to disconnect the power plug before removing the chassis.
2. Following diodes are interchangeable.
   MA150 - MA162 (Replacement part)

8.2. A BOARD

8.2.1. A BOARD 1/4

8.2.2. A BOARD 2/4

8.2.3. A BOARD 3/4

8.2.4. A BOARD 4/4

8.3. G BOARD

8.3.1. G BOARD 1/1

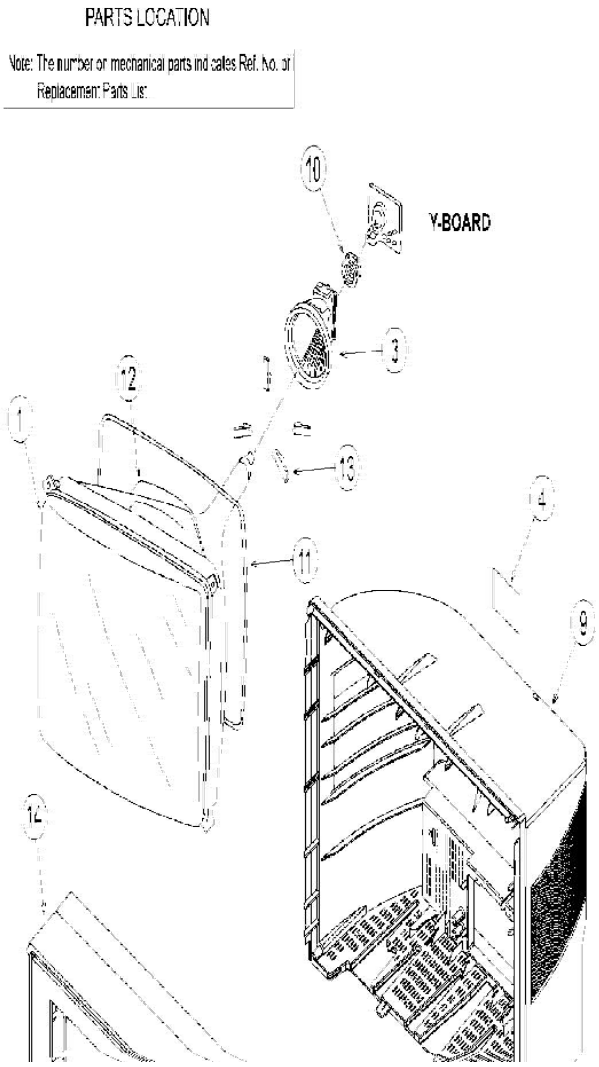
8.4. X BOARD

8.4.1. X BOARD 1/2

8.4.2. X BOARD 2/2

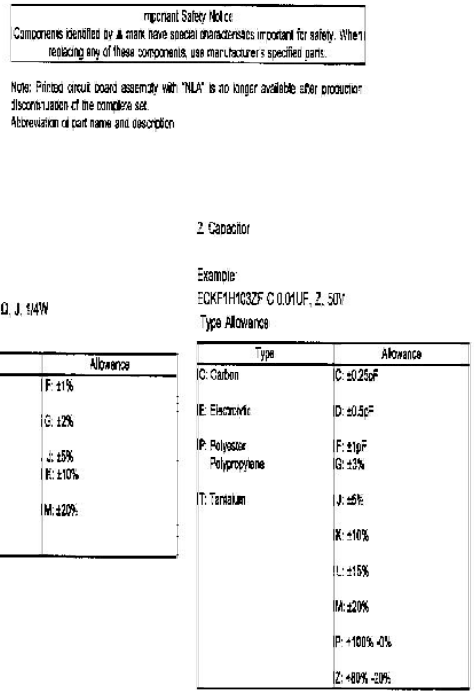
8.5. DG BOARD

8.5.1. DG BOARD 1/4
8.5.2. DG BOARD 2/4
8.5.3. DG BOARD 3/4
8.5.4. DG BOARD 4/4
8.6. DG2 BOARD
8.6.1. DG2 BOARD 1/3
8.6.2. DG2 BOARD 2/3
8.6.3. DG2 BOARD 3/3
8.7. L BOARD
8.7.1. L BOARD 1/3
8.7.2. L BOARD 2/3
8.7.3. L BOARD 3/3
8.8. P BOARD
8.8.1. P BOARD 1/1
8.9. H BOARD
8.9.1. H BOARD 1/2
8.9.2. H BOARD 2/2
9. PARTS LOCATION



10. Replacement Parts List

10.1. Replacement Parts List Notes



10.2. Replacement Part List

Ref. No.	Part No.	Part Name & Description	Remarks
1	A68LZU185X-D	PICTURE TUBE	
2	EASG15S509A2	SPEAKER	
	EUR511048	REMOTE CONTROL	
	J0KG00000088	CORE CLAMPER	
3	KDY4UWH11F	DEFLECTION YOKE	
	KRCBC160928B	CORE CLAMPER	
4	TBM4G1284	MODEL NAME PLATE	
5	TBM4G3011	PANASONIC BADGE	
6	TBX4G89111	POWER BUTTON	
	TES4G406	COIL SPRING	
	TES4G409-1	SPRING (DOOR)	
	THT4G1011J	SCREW (SPEAKER)	
	THT4G10139	SCREW	
	TJB1726400	75OHM ADAPTOR	
	TKK4G8586-1	SPEAKER BRACKET	
7	TKP4G12886-1	DOOR	
8	TKP4G12932	REAR AV BRACKET	
9	TKU4GA0530-1	BACK COVER	
10	TLCA005	CONVERGENCE YOKE	
11	TLK4G9081X	DEGAUSSING COIL	
12	TLK4G9083X	ROTATION COIL	
	TMM4G502	RUBBER WASHER	
13	TMM4G503	RUBBER WEDGE	
NLA	TNP4G171AF	G BOARD	
NLA	TNP4G181AJ	X BOARD	
NLA	TNP4G189BW	DG BOARD	
NLA	TNP4G203AG	DG2 BOARD	

Ref. No.	Part No.	Part Name & Description	Remarks
NLA	TNP4G217AM	L BOARD	
NLA	TNP4G235AH	P BOARD	
NLA	TNP4G289AF	H BOARD	
NLA	TNP4G290AL	A BOARD	
	TPD4G2099	CUSHION (BOTTOM)	
	TPE4G14023	SET COVER	
	TPE4G14024	TOP COVER	
	TQB4G3967	FAN BAG	
	TSMA011	MAGNET	
	TSN63115-4	PURITY MAGNET	
	TSX4G161H	AC POWER CORD	
14	TXFKY01DR20	CABINET ASSY	
	TXFPC01DR20	CARTON	
	TXFPD01AS05	CUSHION (TOP)	
	CAPACITORS		
C101	ECA1HM100B	E 10UF, 50V	
C102	ECJ1VC1H390J	C 39PF, J, 50V	
C103	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C104	ECA1HM101B	E 100UF, 50V	
C105	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1051	ECJ1VC1H101J	C 100PF, J, 50V	
C1052	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C1053	ECA1CM221B	E 220UF, 16V	
C1060	ECJ1VC1H101J	C 100PF, J, 50V	
C107	ECJ1VC1H390J	C 39PF, J, 50V	
C108	ECJ1VC1H390J	C 39PF, J, 50V	
C109	ECJ2VF1C105Z	C 1UF, Z, 16V	
C110	ECJ1VC1H100C	C 10PF, C, 50V	
C1105	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1106	ECJ1VB1C104K	C 0.1UF, K, 16V	
C111	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1120	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1121	ECJ1VC1H151J	C 150PF, J, 50V	
C1122	EEEHB1C100R	E 10UF, 16V	
C1123	ECJ2VF1C105Z	C 1UF, Z, 16V	
C1130	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1138	ECJ1VB0J105K	C 1UF, K,6.3V	
C1139	EEEHB0G221P	E 220UF, 4V	
C1140	ECJ1VC1H471J	C 470PF, J, 50V	
C1141	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1142	EEEHB1E4R7R	E 4.7UF, 25V	
C1143	EEEHB1E4R7R	E 4.7UF, 25V	
C115	ECA1CM221B	E 220UF, 16V	
C1151	ECJ1VC1H330J	C 33PF, J, 50V	
C1152	ECJ1VC1H330J	C 33PF, J, 50V	
C1153	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1160	ECJ1VC1H221J	C 220PF, J, 50V	
C1161	ECJ1VC1H221J	C 220PF, J, 50V	
C1162	ECJ1VC1H221J	C 220PF, J, 50V	
C1167	ECJ1VC1H561J	C 560PF, J, 50V	
C1170	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1171	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1172	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1190	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1201	ECA1HHG220	E 22UF, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C121	ECJ1VC1H100C	C 10PF, C, 50V	
C1210	ECA1CM101B	E 100UF, 16V	
C1211	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C1215	ECJ2VF1E104Z	C 0.1UF, Z, 25V	
C1216	ECJ2VF1E104Z	C 0.1UF, Z, 25V	
C1230	ECEA1CN470U	E 47UF, 16V	
C1231	F2A1C4710045	E 470UF, 16V	
C1232	ECJ1VC1H680J	C 68PF, J, 50V	
C1250	ECJ1VF1H104Z	C 0.1UF, Z, 50V	
C1251	ECA1CM222B	E 2200UF, 16V	
C1252	ECA0JM222B	E 2200UF, 6.3V	
C1253	EEUFC1A471B	E 470UF, 10V	
C1256	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1257	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1260	F2A1C4710045	E 470UF, 16V	
C1261	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1262	F2A1C4710045	E 470UF, 16V	
C1263	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1265	ECA0JM101B	E 100UF, 6.3V	
C1266	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1268	ECA0JM101B	E 100UF, 6.3V	
C1270	ECA1HM100B	E 10UF, 50V	
C1271	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1272	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1273	ECA1HM100B	E 10UF, 50V	
C1280	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C1281	ECJ1VF1H104Z	C 0.1UF, Z, 50V	
C1282	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1301	ECJ1VB0J105K	C 1UF, K,6.3V	
C1302	ECJ1VB0J105K	C 1UF, K,6.3V	
C1303	ECJ1VB0J105K	C 1UF, K,6.3V	
C1304	ECJ1VB0J105K	C 1UF, K,6.3V	
C1305	ECJ1VC1H150J	C 15PF, J, 50V	
C1306	ECJ1VC1H100D	C 10PF, D, 50V	
C1307	ECJ1VB0J105K	C 1UF, K,6.3V	
C1308	ECJ1VB0J105K	C 1UF, K,6.3V	
C1309	ECJ1VB0J105K	C 1UF, K,6.3V	
C1310	ECJ1VB0J105K	C 1UF, K,6.3V	
C1311	ECJ1VB0J105K	C 1UF, K,6.3V	
C1312	ECJ1VB0J105K	C 1UF, K,6.3V	
C1313	EEEHB1C100R	E 10UF, 16V	
C1314	ECJ1VB0J105K	C 1UF, K,6.3V	
C1315	ECJ1VB0J105K	C 1UF, K,6.3V	
C1317	ECJ1VB0J105K	C 1UF, K,6.3V	
C1318	ECJ1VB0J105K	C 1UF, K,6.3V	
C1319	ECJ1VB0J105K	C 1UF, K,6.3V	
C1320	ECJ1VB0J105K	C 1UF, K,6.3V	
C1321	ECJ1VB0J105K	C 1UF, K,6.3V	
C1322	EEEHB0J101P	E 100UF, 6.3V	
C1324	ECJ1VB0J105K	C 1UF, K,6.3V	
C1325	ECJ1VB0J105K	C 1UF, K,6.3V	
C1326	ECJ1VB0J105K	C 1UF, K,6.3V	
C1327	ECJ1VB0J105K	C 1UF, K,6.3V	
C1328	ECJ1VB0J105K	C 1UF, K,6.3V	
C1329	ECJ1VB0J105K	C 1UF, K,6.3V	
C1330	EEEHP1H1R0R	C 1UF, 50V	
C1331	ECJ1VC1H101J	C 100PF, J, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1332	ECJ1VC1H100D	C 10PF, D, 50V	
C1333	ECJ1VC1H121J	C 120PF, J, 50V	
C1334	EEEHP1H1R0R	C 1UF, 50V	
C1335	ECJ1VC1H101J	C 100PF, J, 50V	
C1336	ECJ1VC1H100D	C 10PF, D, 50V	
C1337	ECJ1VC1H121J	C 120PF, J, 50V	
C1338	EEEHP1E220P	E 22UF, 25V	
C1339	ECJ1VC1H101J	C 100PF, J, 50V	
C1340	ECJ1VC1H121J	C 120PF, J, 50V	
C1341	ECJ1VC1H100D	C 10PF, D, 50V	
C1342	ECJ1VC1H220J	C 22PF, J, 50V	
C1343	ECJ1VC1H680J	C 68PF, J, 50V	
C1344	EEEHB1C470P	E 47UF, 16V	
C1345	ECJ2VF1C105Z	C 1UF, Z, 16V	
C1346	ECJ1VB0J105K	C 1UF, K,6.3V	
C1347	ECJ1VB0J105K	C 1UF, K,6.3V	
C1348	ECJ1VB0J105K	C 1UF, K,6.3V	
C1349	ECJ1VB0J105K	C 1UF, K,6.3V	
C1350	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1351	ECJ1VB0J105K	C 1UF, K,6.3V	
C1353	EEEHB1C100R	E 10UF, 16V	
C1354	EEEHB0G221P	E 220UF, 4V	
C1355	ECJ1VB0J105K	C 1UF, K,6.3V	
C1356	ECJ1VB0J105K	C 1UF, K,6.3V	
C1357	EEEHB0G221P	E 220UF, 4V	
C1358	ECJ1VB0J105K	C 1UF, K,6.3V	
C1359	ECJ1VB0J105K	C 1UF, K,6.3V	
C1360	EEEHB0G221P	E 220UF, 4V	
C1361	ECJ1VB0J105K	C 1UF, K,6.3V	
C1362	ECJ1VB0J105K	C 1UF, K,6.3V	
C1363	ECJ1VB0J105K	C 1UF, K,6.3V	
C1364	EEEHB1C470P	E 47UF, 16V	
C1365	EEEHB1C100R	E 10UF, 16V	
C1366	ECJ1VC1H681J	C 680PF, J, 50V	
C1367	ECJ1VB0J105K	C 1UF, K,6.3V	
C1368	ECJ1VB0J105K	C 1UF, K,6.3V	
C1370	ECJ1VC1H330J	C 33PF, J, 50V	
C1371	ECJ1VC1H680J	C 68PF, J, 50V	
C1372	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1373	EEEHB0J101P	E 100UF, 6.3V	
C1374	ECJ1VB0J105K	C 1UF, K,6.3V	
C1375	ECJ1VB0J105K	C 1UF, K,6.3V	
C1376	ECJ1VB0J105K	C 1UF, K,6.3V	
C1377	ECJ1VC1H221J	C 220PF, J, 50V	
C1378	ECJ1VC1H220J	C 22PF, J, 50V	
C1379	ECJ1VC1H680J	C 68PF, J, 50V	
C1380	ECJ1VC1H220J	C 22PF, J, 50V	
C1381	ECJ1VC1H680J	C 68PF, J, 50V	
C1382	ECJ1VC1H101J	C 100PF, J, 50V	
C1383	ECJ1VC1H101J	C 100PF, J, 50V	
C1384	EEEHB1C100R	E 10UF, 16V	
C1385	EEEHB1C470P	E 47UF, 16V	
C1386	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1387	ECJ1VB0J105K	C 1UF, K,6.3V	
C1388	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1392	ECJ1VB1C223K	C 0.022UF, K, 16V	
C1394	ECJ1VB0J105K	C 1UF, K,6.3V	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
C1401	ECJ1VB0J105K	C 1UF, K,6.3V	
C1402	ECJ3YB0J335M	C 3.3UF, M,6.3V	
C1403	ECJ1VB1H123K	C 0.012UF, K, 50V	
C1404	EEEHB0G221P	E 220UF, 4V	
C1405	ECJ1VB0J105K	C 1UF, K,6.3V	
C1406	ECJ1VB0J105K	C 1UF, K,6.3V	
C1410	ECJ1VB0J105K	C 1UF, K,6.3V	
C1411	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1412	ECJ1VB0J105K	C 1UF, K,6.3V	
C1414	ECJ1VB0J105K	C 1UF, K,6.3V	
C1415	ECJ1VC1H680J	C 68PF, J, 50V	
C1416	ECJ1VC1H330J	C 33PF, J, 50V	
C1417	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1418	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1419	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1420	ECJ1VB0J105K	C 1UF, K,6.3V	
C1421	ECJ1VB0J105K	C 1UF, K,6.3V	
C1422	ECJ1VB0J105K	C 1UF, K,6.3V	
C1423	ECJ1VB0J105K	C 1UF, K,6.3V	
C1424	ECJ1VB0J105K	C 1UF, K,6.3V	
C1425	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1426	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1427	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1428	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1429	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1430	ECJ1VB0J105K	C 1UF, K,6.3V	
C1440	ECJ1VB0J105K	C 1UF, K,6.3V	
C1441	ECJ1VB0J105K	C 1UF, K,6.3V	
C1442	ECJ1VB0J105K	C 1UF, K,6.3V	
C1443	ECJ1VB0J105K	C 1UF, K,6.3V	
C1444	ECJ1VB0J105K	C 1UF, K,6.3V	
C1445	ECJ1VB0J105K	C 1UF, K,6.3V	
C1446	ECJ1VB0J105K	C 1UF, K,6.3V	
C1447	ECJ1VB0J105K	C 1UF, K,6.3V	
C1448	ECJ1VB0J105K	C 1UF, K,6.3V	
C1449	ECJ1VB0J105K	C 1UF, K,6.3V	
C1450	ECJ1VB0J105K	C 1UF, K,6.3V	
C1451	ECJ1VB0J105K	C 1UF, K,6.3V	
C1452	EEEHB1C100R	E 10UF, 16V	
C1455	ECJ1VB0J105K	C 1UF, K,6.3V	
C1456	ECJ1VB0J105K	C 1UF, K,6.3V	
C1457	ECJ1VB0J105K	C 1UF, K,6.3V	
C1458	ECJ1VB0J105K	C 1UF, K,6.3V	
C1459	ECJ1VB0J105K	C 1UF, K,6.3V	
C1460	ECJ1VB0J105K	C 1UF, K,6.3V	
C1461	ECJ1VB0J105K	C 1UF, K,6.3V	
C1462	ECJ1VB0J105K	C 1UF, K,6.3V	
C1463	ECJ1VB0J105K	C 1UF, K,6.3V	
C1464	ECJ1VB0J105K	C 1UF, K,6.3V	
C1465	ECJ1VB0J105K	C 1UF, K,6.3V	
C1466	ECJ1VB0J105K	C 1UF, K,6.3V	
C1467	EEEHB1C100R	E 10UF, 16V	
C1473	ECJ1VB0J105K	C 1UF, K,6.3V	
C1474	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1476	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1477	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1478	ECJ1VB1C104K	C 0.1UF, K, 16V	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
C1479	EEEHB1C100R	E 10UF, 16V	
C1480	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1481	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1482	EEEHB1C470P	E 47UF, 16V	
C1485	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1486	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1487	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1490	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1491	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1492	ECJ1VB1C223K	C 0.022UF, K, 16V	
C1495	ECHU1C683JB5	P 0.068UF, J, 16V	
C1496	EEEHB0J101P	E 100UF, 6.3V	
C1497	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1498	ECHU1C104JB5	P 0.1UF, J, 16V	
C1501	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1502	EEEHB1C100R	E 10UF, 16V	
C1503	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1504	EEEHB1C100R	E 10UF, 16V	
C1505	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1506	EEEHB0G221P	E 220UF, 4V	
C1507	EEEHB0G221P	E 220UF, 4V	
C1512	EEEHB1C470P	E 47UF, 16V	
C1513	EEEHB1C100R	E 10UF, 16V	
C1514	EEEHB0G221P	E 220UF, 4V	
C1515	ECJ1VB0J105K	C 1UF, K,6.3V	
C1550	EEEHB1C100R	E 10UF, 16V	
C1570	ECJ2VF1C105Z	C 1UF, Z, 16V	
C1580	ECJ1VB0J105K	C 1UF, K,6.3V	
C1601	ECJ1VB0J105K	C 1UF, K,6.3V	
C1602	ECJ1VB0J105K	C 1UF, K,6.3V	
C1603	ECJ1VB0J105K	C 1UF, K,6.3V	
C1604	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1605	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1606	EEEHB1C470P	E 47UF, 16V	
C1607	ECJ1VB1H103K	C 0.01UF, K, 50V	
C2101	ECA1CM101B	E 100UF, 16V	
C2102	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2103	ECJ1VC1H101J	C 100PF, J, 50V	
C2110	ECJ1VB1H332K	C 3300PF, K, 50V	
C2111	ECJ1VB1H332K	C 3300PF, K, 50V	
C2112	ECJ1VC1H102J	C 1000PF, J, 50V	
C2113	ECA1HM100B	E 10UF, 50V	
C2114	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2115	ECA1HM100B	E 10UF, 50V	
C2116	ECA1CM101B	E 100UF, 16V	
C2117	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C2118	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C2119	ECJ1VF1H102Z	C 1000PF, Z, 50V	
C2120	ECA1HM3R3B	E 3.3UF, 50V	
C2121	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2122	ECJ1VF1H102Z	C 1000PF, Z, 50V	
C2123	ECJ1VF1H102Z	C 1000PF, Z, 50V	
C2124	ECA1HM100B	E 10UF, 50V	
C2125	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2127	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2128	ECA1CM101B	E 100UF, 16V	
C2129	ECQV1H334JM	P 0.33UF, J, 50V	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
C2130	ECQV1H334JM	P 0.33UF, J, 50V	
C2131	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2133	ECJ1VC1H070D	C 7PF, D, 50V	
C2134	ECJ1VC1H470J	C 47PF, J, 50V	
C2135	ECJ1VC1H560J	C 56PF, J, 50V	
C2136	ECJ1VC1H560J	C 56PF, J, 50V	
C2138	ECJ1VC1H470J	C 47PF, J, 50V	
C2139	ECJ1VC1H010C	C 1PF, C, 50V	
C2140	ECJ1VC1H010C	C 1PF, C, 50V	
C2330	ECA1CM101B	E 100UF, 16V	
C2801	ECA1HM010B	E 1UF, 50V	
C2802	ECJ1VF1C224Z	C 0.22UF, Z, 16V	
C2803	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C2804	ECA1HM2R2B	E 2.2UF, 50V	
C2805	ECEA1HN2R2U	E 2.2UF, 50V	
C2806	ECEA1HN2R2U	E 2.2UF, 50V	
C2809	ECJ1VF1H102Z	C 1000PF, Z, 50V	
C2810	ECJ1VF1H104Z	C 0.1UF, Z, 50V	
C2811	ECA1HM010B	E 1UF, 50V	
C2812	ECJ1VF1C224Z	C 0.22UF, Z, 16V	
C2813	ECJ1VB1H103K	C 0.01UF, K, 50V	
C2814	ECJ1VF1H102Z	C 1000PF, Z, 50V	
C2815	ECJ1VF1H102Z	C 1000PF, Z, 50V	
C2816	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2817	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2819	ECJ1VF1H102Z	C 1000PF, Z, 50V	
C2820	F2A1E102A151	E 1000UF , 25V	
C2821	F2A1E102A151	E 1000UF , 25V	
C2831	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C3001	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3002	ECA1HM2R2B	E 2.2UF, 50V	
C3003	ECJ1VB1H682K	C 6800PF, K, 50V	
C3004	ECA1HM2R2B	E 2.2UF, 50V	
C3005	ECJ1VB1H682K	C 6800PF, K, 50V	
C3007	ECJ1VF1C474Z	C 0.47UF, Z, 16V	
C3008	ECJ1VF1H104Z	C 0.1UF, Z, 50V	
C3009	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3010	ECJ1VC1H561K	C 560PF, K, 50V	
C3011	ECJ1VC1H561K	C 560PF, K, 50V	
C3012	ECJ1VC1H561K	C 560PF, K, 50V	
C3013	ECJ1VC1H561K	C 560PF, K, 50V	
C3015	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3016	ECA1HM2R2B	E 2.2UF, 50V	
C3017	ECJ1VB1H682K	C 6800PF, K, 50V	
C3018	ECA1HM2R2B	E 2.2UF, 50V	
C3019	ECJ1VB1H682K	C 6800PF, K, 50V	
C3020	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C3024	ECA1CM101B	E 100UF, 16V	
C3025	ECJ1VF1H104Z	C 0.1UF, Z, 50V	
C3026	ECA1CM101B	E 100UF, 16V	
C3027	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3030	ECEA1CN470U	E 47UF, 16V	
C3031	ECEA1AKA221	E 220UF, 10V	
C3032	ECEA1AKA221	E 220UF, 10V	
C3033	ECJ1VC1H561K	C 560PF, K, 50V	
C3034	ECJ1VC1H561K	C 560PF, K, 50V	
C3035	ECJ1VC1H471J	C 470PF, J, 50V	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
C3036	ECA1HM2R2B	E 2.2UF, 50V	
C3037	ECJ1VC1H471J	C 470PF, J, 50V	
C3038	ECA1HM2R2B	E 2.2UF, 50V	
C3048	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3049	ECA1HM220B	E 22UF, 50V	
C3050	ECA1CM101B	E 100UF, 16V	
C3051	ECJ1VF1H104Z	C 0.1UF, Z, 50V	
C3053	ECJ1VC1H561K	C 560PF, K, 50V	
C3054	ECJ1VC1H561K	C 560PF, K, 50V	
C3055	ECA1HM2R2B	E 2.2UF, 50V	
C3056	ECJ1VB1H682K	C 6800PF, K, 50V	
C3057	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3058	ECA1HM2R2B	E 2.2UF, 50V	
C3059	ECJ1VB1H682K	C 6800PF, K, 50V	
C3070	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3071	ECA1HM2R2B	E 2.2UF, 50V	
C3072	ECA1HM2R2B	E 2.2UF, 50V	
C3080	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3081	ECA1HM2R2B	E 2.2UF, 50V	
C3082	ECJ1VB1H682K	C 6800PF, K, 50V	
C3083	ECA1HM2R2B	E 2.2UF, 50V	
C3084	ECJ1VB1H682K	C 6800PF, K, 50V	
C3085	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3086	ECJ1VF1C474Z	C 0.47UF, Z, 16V	
C3087	ECJ1VF1H104Z	C 0.1UF, Z, 50V	
C3101	ECJ1VC1H561K	C 560PF, K, 50V	
C3102	ECJ1VC1H561K	C 560PF, K, 50V	
C3103	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C3150	ECJ1VB1C105K	C 1UF, K, 50V	
C3301	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3302	ECJ1VF1C474Z	C 0.47UF, Z, 16V	
C3304	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3308	ECA1CM221B	E 220UF, 16V	
C3311	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3312	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3313	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3314	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3315	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3316	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3317	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3318	ECA1CM221B	E 220UF, 16V	
C3320	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3321	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3322	ECJ2VF1C105Z	C 1UF, Z, 16V	
C352	ECJ1VB1H103K	C 0.01UF, K, 50V	
C354	ECJ1VB1E223K	C 0.022UF, K, 25V	
C355	ECQE2104KF	P 0.1UF, K,250V	
C356	ECJ1VC1H030D	C 3PF, D, 50V	
C357	F1B2H561A025	C 560PF , 500V	
C359	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C360	ECA1CM470B	E 47UF, 16V	
C361	ECJ1VB1H103K	C 0.01UF, K, 50V	
C363	ECJ1VB1E223K	C 0.022UF, K, 25V	
C364	ECJ1VC1H090D	C 9PF, D, 50V	
C365	ECQE2104KF	P 0.1UF, K,250V	
C366	F1B2H561A025	C 560PF , 500V	
C371	ECJ1VB1H103K	C 0.01UF, K, 50V	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
C373	ECJ1VB1H103K	C 0.01UF, K, 50V	
C374	ECJ1VC1H100D	C 10PF, D, 50V	
C375	ECQE2104KF	P 0.1UF, K,250V	
C376	F1B2H561A025	C 560PF , 500V	
C377	ECA2EM100B	E 10UF, 250V	
C380	ECA1HM101B	E 100UF, 50V	
C383	ECA1CM222B	E 2200UF, 16V	
C388	ECJ1VB1E183K	C 0.018UF, K, 25V	
C390	ECA1HM100B	E 10UF, 50V	
C391	ECKW3D332KBP	C 3300PF, K, 2KV	
C401	ECA1HM470B	E 47UF, 50V	
C403	ECJ1VB1H272K	C 2700PF, K, 50V	
C451	ECA1VM470B	E 47UF, 35V	
C452	ECA1HM471B	E 470UF, 50V	
C455	ECEA1CN220U	E 22UF, 16V	
C457	ECA1VHG102	E 1000UF, 35V	
C458	ECQB1104KF	P 0.1UF, K,100V	
C459	ECA1HM220B	E 22UF, 50V	
C460	ECQB1224KF	P 0.22UF, K,100V	
C462	ECQV1H224JL	P 0.22UF, J, 50V	
C4801	ECA1HM4R7B	E 4.7UF, 50V	
C4803	ECQV1H334JM	P 0.33UF, J, 50V	
C4804	ECQV1H334JM	P 0.33UF, J, 50V	
C4805	ECA1VM470B	E 47UF, 35V	
C4806	ECA1HM4R7B	E 4.7UF, 50V	
C4808	ECA1HM330B	E 33UF, 50V	
C502	ECA2EM330B	E 33UF, 250V	
C504	ECA1HM100B	E 10UF, 50V	
C505	ECA160V33UE	E 33UF, 160V	
C507	ECA1EM222E	E 2200UF, 25V	
C509	ECA1EM222E	E 2200UF, 25V	
C510	ECQB1H103JF	P 0.01UF, 50V	
C511	F2A1H100A165	E 10UF, 50V	
C521	F1B1H103A013	C 0.01UF, 50V	
C525	ECA1HHG010	E 1UF, 50V	
C529	ECQM1823KZ	P 0.082UF, K,100V	
C530	ERG1FJ392	M 3.9KOHM	
C531	ECEA2CNR47S	E 0.47UF, 160V	
C532	F1B1H472A132	C 4700PF	
C533	F1B2H1030028	C 0.01UF, 500V	
C534	ECQB1H223JF	P 0.022UF, J, 50V	
C536	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C537	ECJ1VB1H102K	C 1000PF, K, 50V	
C544	F2A1E102A151	E 1000UF , 25V	
C545	ECA1VM101B	E 100UF, 35V	
C549	ECQV1H104JL	P 0.1UF, J, 50V	
C554	ECKW3D391JBR	C 390PF, J, 2KV	
C555	ECWH20102JVY	P 1000PF,J, 2KV	
C556	ECWH20562JVB	P 5100PF,J, 2KV	
C557	ECWH20512JVB	P 5100PF,J, 2KV	
C560	ECQF4183JZH	P 0.018UF, J,400V	
C561	ECQF4153JZ	P 0.015UF, J,400V	
C565	ECQP1223JZ	P 0.022UF, J,100V	
C567	ECKR3A821JBP	C 820PF, J, 1KV	
C568	ECEA1HKA0R1	E 0.1UF, 50V	
C575	ECJ1VC1H221J	C 220PF, J, 50V	
C581	ECWF2334JB	P 0.33UF, J,250V	

Ref. No.	Part No.	Part Name & Description	Remarks
C582	ECWF2364JB	P 0.36UF, J,250V	
C583	ECWF2364JB	P 0.36UF, J,250V	
C584	ECWF2334JB	P 0.33UF, J,250V	
C585	ECKR3A272KBP	C 2700PF, K, 1KV	
C703	ECQE2334KF	P 0.33UF, K,250V	
C705	ECKW3A272KBP	C 2700PF, K, 1KV	
C710	ECQE1335KF	P 3.3UF, K,100V	
C711	ECQE1335KF	P 3.3UF, K,100V	
C715	ECKW3D271KBP	C 270PF, K, 2KV	
C801	ECQU2A224BN9	P 0.22UF, 250V	
C802	ECQU2A224BN9	P 0.22UF, 250V	
C804	ECQU2A224BN9	P 0.22UF, 250V	
C806	ECKCNA472ME7	C 4700PF, M,	
C807	ECKWAE472ZED	C 4700PF, Z,500V	
C808	ECKWAE472ZED	C 4700PF, Z,500V	
C809	ECKWAE472ZED	C 4700PF, Z,500V	
C810	F2A2G5610001	E 560UF, 400V	
C812	ECQM4473JZ	P 0.047UF, J,400V	
C816	F2A2A1000016	C 10UF, 100V	
C817	ECQB1H104JF	P 0.1UF, 50V	
C818	ECQB1H104JF	P 0.1UF, 50V	
C819	F4Y5P4B102K	C 1000PF, K, 50V	
C820	ECKW3D102KBP	C 1000PF, K, 2KV	
C821	ECKW3D101KBP	C 100PF, K, 2KV	
C822	ECKW3D101KBP	C 100PF, K, 2KV	
C823	ECKR3A331KBP	C 330PF, K, 1KV	
C827	ECKR3A471KBP	C 470PF, K, 1KV	
C828	ECA1CHG221	E 220UF, 16V	
C829	F1B1H103A013	C 0.01UF, 50V	
C830	ECQB1H473JF	P 0.047UF, J, 50V	
C831	ECA1CM470B	E 47UF, 16V	
C840	ECKCNA102MB7	C 1000PF, M,	
C841	ECKCNA152ME7	C 1500PF, M,	
C842	ECKCNA152ME7	C 1500PF, M,	
C843	ECKCNA222ME7	C 2200PF, M,	
C844	ECKCNA472ME7	C 4700PF, M,	
C850	ECKW3D182KBP	C 1800PF, K, 2KV	
C851	F1B2H221A025	C 1800PF, 2KV	
C852	F1B2H221A025	C 1800PF, 2KV	
C853	F1B2H221A025	C 1800PF, 2KV	
C854	F1B2H221A025	C 1800PF, 2KV	
C855	EC0S2CA471BB	E 470UF, 160V	
C856	ECA1EHG102	E 1000UF, 25V	
C857	ECA1CHG682E	E 6800UF, 16V	
C859	F2A1E470A149	E 47UF, 25V	
C862	ECA1CM102B	E 1000UF, 16V	
C863	ECA1CM102B	E 1000UF, 16V	
C864	ECA1EM331B	E 330UF, 25V	
C870	ECJ1VB1H102K	C 1000PF, K, 50V	
C878	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C879	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C882	ECA1CM101B	E 100UF, 16V	
C883	ECA1CM101B	E 100UF, 16V	
C884	ECJ1VF1H473Z	C 0.047UF, Z, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C885	EEUFC1C471LB	E 470UF, 16V	
C886	ECA1CM101B	E 100UF, 16V	
C888	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C889	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C892	ECKW3D152KBP	C 1500PF, K, 2KV	
C897	ECQE6823KF	P 0.082UF, K,630V	
C901	EEANA1E100B	E 10UF, 25V	
C902	ECA1CM101B	E 100UF, 16V	
C905	ECA1VM220B	E 22UF, 35V	
C907	ECJ1VC1H151J	C 150PF, J, 50V	
C955	ECQB1103JF	P 0.01UF, J,100V	
C958	ECA2CM100B	E 10UF, 160V	
C959	ECQB1103JF	P 0.01UF, J,100V	
C960	ECJ1VC1H221J	C 220PF, J, 50V	
C961	ECA2CM100B	E 10UF, 160V	
C962	ECQM4472RJZ	P 4700PF, J,400V	
C963	ECJ1VC1H221J	C 220PF, J, 50V	
C964	ECA1CMH101	E 100UF, 16V	
C966	ECA1CM101B	E 100UF, 16V	
C967	ECA1CHG471	E 470UF, 16V	
C968	ECA2CM100B	E 10UF, 160V	
C974	ECA1VM101B	E 100UF, 35V	
	DIODES		
D105	MA3150HTX	ZENER DIODE	
D1051	LNH201RGRF5	LED	
D1053	MTZJ5.6B	ZENER DIODE	
D106	MA3150HTX	ZENER DIODE	
D120	MA152KTX	DIODE	
D1250	RK34LFC4	DIODE	
D1251	MA704ATX	DIODE	
D1252	MAZ30390LL	ZENER DIODE	
D1253	MAZ30330LL	ZENER DIODE	
D1440	MA152KTX	DIODE	
D1511	MA152KTX	DIODE	
D2101	MTZJ5.6A	ZENER DIODE	
D2102	MTZJ5.6A	ZENER DIODE	
D2330	MA4047M	DIODE	
D2331	MA152KTX	DIODE	
D2332	MA152KTX	DIODE	
D2333	MA29Q-A	DIODE	
D2334	MA152KTX	DIODE	
D2804	RN2ZLFA1	DIODE	
D2805	RN2ZLFA1	DIODE	
D3001	MA3091LTX	ZENER DIODE	
D3002	MA4036H	DIODE	
D3050	MA4100H	DIODE	
D3080	MA3091LTX	ZENER DIODE	
D3101	MA4036H	DIODE	
D3150	MA4033M	DIODE	
D3151	MA4033M	DIODE	
D351	B0HALP000007	DIODE	
D352	B0HALP000007	DIODE	
D353	MA3110LTX	ZENER DIODE	
D355	B0HALP000007	DIODE	
D356	B0HALP000007	DIODE	
D358	MA151KTX	DIODE	
D360	B0HAMM000122	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D361	MA151KTX	DIODE	
D362	MA151KTX	DIODE	
D363	MA151KTX	DIODE	
D364	MA3130MTX	ZENER DIODE	
D365	MA3130MTX	ZENER DIODE	
D366	MA3130MTX	ZENER DIODE	
D383	B0HALP000007	DIODE	
D385	ERA22-04	DIODE	
D389	B0HALP000007	DIODE	
D401	MA152KTX	DIODE	
D402	MA152KTX	DIODE	
D403	MA152KTX	DIODE	
D415	MA152KTX	DIODE	
D452	MA152KTX	DIODE	
D453	EU02AV1	DIODE	
D454	MA152KTX	DIODE	
D455	MAZ30560LL	ZENER DIODE	
D501	AU02	DIODE	
D502	B0HAMM000122	DIODE	
D503	MA4104J	DIODE	
D504	MA165	DIODE	
D505	RU2MLFA1	DIODE	
D506	RU2MLFA1	DIODE	
D507	MA3180MTX	DIODE	
D508	MA3180MTX	DIODE	
D510	MA165	DIODE	
D511	MA165	DIODE	
D520	MA165	DIODE	
D527	MA152KTX	DIODE	
D530	MA165	DIODE	
D532	MA4360H	DIODE	
D534	MA182	DIODE	
D535	MA182	DIODE	
D545	B0JAME000052	DIODE	
D547	MA4150M	DIODE	
D548	B0HALP000007	DIODE	
D551	EU02	DIODE	
D552	RH3GLF102	DIODE	
D553	B0HBRV000001	DIODE	
D555	MA2C16700E	DIODE	
D566	B0BA05100010	ZENER DIODE	
D567	B0BA05100010	ZENER DIODE	
D568	MA165	DIODE	
D569	MA4020H	DIODE	
D570	MAZ30560LL	ZENER DIODE	
D571	MAZ30560LL	ZENER DIODE	
D572	MAZ30560LL	ZENER DIODE	
D581	RU3ANLFA1	DIODE	
D701	B0HALP000007	DIODE	
D801	ERZV10D621CS	VARISTOR	
D803	B0EBNT000007	DIODE	
D811	B0BA02100001	ZENER DIODE	
D812	MTZJ36D	ZENER DIODE	
D813	B0BA02100001	ZENER DIODE	
D814	B0EAKT000018	DIODE	
D817	B0HAJL000001	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D818	MAZ2360	DIODE	
D821	MAZ20820A0LS	DIODE	
D824	B0HAJL000001	DIODE	
D825	MAZ20820A0LS	DIODE	
D826	MAZ20820A0LS	DIODE	
D827	MTZJ20B	ZENER DIODE	
D828	B2AAFR000002	THYRISTOR	
D829	B0HAJL000001	DIODE	
D832	MTZJ5.6A	ZENER DIODE	
D833	B0BA05100010	ZENER DIODE	
D850	B0HAPV000009	DIODE	
D851	FMLG12SLF116	DIODE	
D852	FMLG12SLF116	DIODE	
D853	RU4AMLF-M1	DIODE	
D854	RU4AMLF-M1	DIODE	
D860	B3PAA0000261	PHOTO COUPLER	
D861	MTZJ20D	ZENER DIODE	
D863	MA4030L	DIODE	
D870	MAZ40240HF	ZENER DIODE	
D890	D4DDD1200001	POSISTOR	
D891	D4DDD1200001	POSISTOR	
D892	MA165	DIODE	
D953	SR2KNLFA1	DIODE	
D961	MA152KTX	DIODE	
D975	B0BA8R700009	ZENER DIODE	
	INTEDGRATED CIRCUITS		
IC1051	B3RAC0000012	REMOCON RECEIVER	
IC1101	C2BBYC000011	IC	
IC1102	TVR4G6-3	FLASH MEMORY IC	
IC1202	CXA1315M	LINEAR IC	
IC1210	C0DAAGG00002	IC	
IC1211	C0DBEZD00002	IC	
IC1212	SI-3025KS-TL	IC	
IC1213	PST9119NR	IC, LOGIC	
IC1214	SI-3025KS-TL	IC	
IC1215	C0EBE0000066	IC	
IC1216	AN78L05	LINEAR IC	
IC1301	C1ZBZ0002739	IC	
IC1302	C0CBCAD00067	IC, POWER SUPPLY	
IC1303	C0ABBA000168	IC	
IC1305	C0CBCAD00067	IC, POWER SUPPLY	
IC1354	C0DBZFC00048	IC	
IC1403	AN5876S	IC	
IC1404	C0ABBA000168	IC	
IC1440	C3HBKZ000002	IC	
IC1441	C3HBKZ000002	IC	
IC1470	C0CBCBD00025	IC	
IC1501	TC7MBD3245KL	IC	
IC1502	TVR4GAS217	EEPROM IC	
IC1503	TVR4GAS219	EEPROM IC	
IC1601	AN5876S	IC	
IC2101	MSP3461GAB83	SOUND CONTROL IC	
IC2801	TDA2616/N1	IC	
IC3001	MM1492AF	IC	
IC3301	TDA8601T/C1	IC	

Ref. No.	Part No.	Part Name & Description	Remarks
IC3302	TDA8601T/C1	IC	
IC351	C1AA00000325	IC	
IC352	C1AA00000325	IC	
IC353	C1AA00000325	IC	
IC401	C0BBBA000022	IC	
IC451	C1AA00000712	IC	
IC4801	PUB4301	TRANSISTOR ARRAY	
IC4802	AN6564NS	LINEAR IC	
IC501	C0BBBA000022	IC	
IC801	STRX6456LF02	IC	
IC860	C0EAS0000026	IC	
IC881	C0DAZJG00021	IC, POWER SUPPLY	
IC882	AN7809	LINEAR IC	
IC883	AN7808	LINEAR IC	
IC884	C0DAZHG00039	IC, POWER SUPPLY	
	COILS		
L102	EXCELDR35V	CORE	
L103	EXCELDR35V	CORE	
L107	EXC3BB221H	CHIP BEAD CORE	
L110	EXCELSA35T	BEAD CORE	
L1120	ELJFA5R6JFB	CHIP INDUCTOR	
L1121	TALC325T4R7M	CHIP INDUCTOR COIL	
L1139	TALC325T4R7M	CHIP INDUCTOR COIL	
L1141	TALC325T4R7M	CHIP INDUCTOR COIL	
L115	EXCELSA35T	BEAD CORE	
L1150	TALC325T4R7M	CHIP INDUCTOR COIL	
L1151	TALC325T4R7M	CHIP INDUCTOR COIL	
L116	EXCELSA35T	BEAD CORE	
L1170	TALC325T4R7M	CHIP INDUCTOR COIL	
L1171	TALC325T4R7M	CHIP INDUCTOR COIL	
L1172	TALC325T4R7M	CHIP INDUCTOR COIL	
L1210	G0C100KA0065	PEAKING COIL	
L1230	G0C4R7JA0055	PEAKING COIL	
L1250	EXCELDR35V	CORE	
L1251	EXCELDR35V	CORE	
L1252	EXCELDR35V	CORE	
L1253	TLPF095	CHOKE COIL	
L1255	EXCELDR35V	CORE	
L1256	EXCELDR35V	CORE	
L1257	TALL08T330KA	INDUCTION COIL	
L1258	G0A221GA0013	COIL	
L1260	EXCELDR35V	CORE	
L1261	ERDS2T0T	C 0OHM, 1/4W	
L1315	TALC325T4R7M	CHIP INDUCTOR COIL	
L1334	TALC325T4R7M	CHIP INDUCTOR COIL	
L1335	G1C2R2K00006	COIL	
L1336	G1C2R2K00006	COIL	
L1337	G1C2R2K00006	COIL	
L1338	G1C1R5K00004	COIL	
L1350	TALC325T4R7M	CHIP INDUCTOR COIL	
L1352	TALC325T4R7M	CHIP INDUCTOR COIL	
L1360	TALC325T4R7M	CHIP INDUCTOR COIL	
L1361	TALC325T4R7M	CHIP INDUCTOR COIL	
L1375	TALC325T4R7M	CHIP INDUCTOR COIL	
L1378	G1C1R5K00004	COIL	
L1379	G1C1R5K00004	COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L1384	TALC325T4R7M	CHIP INDUCTOR COIL	
L1385	TALC325T4R7M	CHIP INDUCTOR COIL	
L1390	TALC325T4R7M	CHIP INDUCTOR COIL	
L1401	TALC325T4R7M	CHIP INDUCTOR COIL	
L1402	TALC325T4R7M	CHIP INDUCTOR COIL	
L1403	TALC325T4R7M	CHIP INDUCTOR COIL	
L1430	TALC325T4R7M	CHIP INDUCTOR COIL	
L1440	TALC325T4R7M	CHIP INDUCTOR COIL	
L1450	TALC325T4R7M	CHIP INDUCTOR COIL	
L1460	TALC325T4R7M	CHIP INDUCTOR COIL	
L1491	TALC325T4R7M	CHIP INDUCTOR COIL	
L1492	TALC325T4R7M	CHIP INDUCTOR COIL	
L1495	TALC325T4R7M	CHIP INDUCTOR COIL	
L1501	TALC325T4R7M	CHIP INDUCTOR COIL	
L1580	TALC325T4R7M	CHIP INDUCTOR COIL	
L2101	G0C100KA0065	PEAKING COIL	
L2130	EXCELSA35T	BEAD CORE	
L2132	G0C6R8KA0065	PEAKING COIL	
L2133	G0C100KA0065	PEAKING COIL	
L2305	EXCELDR35V	CORE	
L2801	G0BYYYY00016	COIL	
L2820	G0C100KA0065	PEAKING COIL	
L2821	G0C100KA0065	PEAKING COIL	
L2830	EXCELSA35T	BEAD CORE	
L2831	EXCELSA35T	BEAD CORE	
L2832	EXC3BB221H	CHIP BEAD CORE	
L2833	EXC3BB221H	CHIP BEAD CORE	
L3001	EXC3BB221H	CHIP BEAD CORE	
L3002	EXC3BB221H	CHIP BEAD CORE	
L3003	EXC3BB221H	CHIP BEAD CORE	
L3004	EXC3BB221H	CHIP BEAD CORE	
L3030	G0C100JA0055	PEAKING COIL	
L3031	EXC3BB221H	CHIP BEAD CORE	
L3032	EXC3BB221H	CHIP BEAD CORE	
L3050	G0C100JA0055	PEAKING COIL	
L3051	EXC3BB221H	CHIP BEAD CORE	
L3052	EXC3BB221H	CHIP BEAD CORE	
L3101	EXC3BB221H	CHIP BEAD CORE	
L3102	EXC3BB221H	CHIP BEAD CORE	
L3151	G0C4R7JA0055	PEAKING COIL	
L3301	G0C100JA0055	PEAKING COIL	
L3311	G0C100JA0055	PEAKING COIL	
L351	EXCELSA24T	BEAD CORE	
L352	EXCELDR35V	CORE	
L381	G0C6R8JA0055	PEAKING COIL	
L382	G0C6R8JA0055	PEAKING COIL	
L383	G0C150JA0055	PEAKING COIL	
L387	EXCELDR35V	CORE	
L388	EXCELSA39V	BEAD CORE	
L4810	EXCELDR35V	CORE	
L501	EXCELDR35V	CORE	
L504	EXCELSA35T	BEAD CORE	
L506	EXCELSA35T	BEAD CORE	
L515	TALL08T680KA	INDUCTION COIL	
L532	EXCELDR35V	CORE	
L553	EXCELDR35C	BEAD CORE	
L554	EXCELDR35C	BEAD CORE	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
L560	EXCELDR35C	BEAD CORE	
L561	EXCELDR35C	BEAD CORE	
L563	EXCELDR35C	BEAD CORE	
L565	EXCELSA35T	BEAD CORE	
L570	EXCELDR35V	CORE	
L581	G0A151H00004	CHOKE COIL	
L583	ELH5L7719	LINEARITY COIL	
L586	ERD25T0V	CARBON FILM RESISTOR	
L701	ELC18E152	CHOKE COIL	
L702	G0A221H00003	CHOKE COIL	
L703	EXCELSA35T	BEAD CORE	
L704	EXCELDR35V	CORE	
L802	TLP4GD005	LINE FILTER	
L803	TLP4GD005	LINE FILTER	
L815	EXCELSA39E	BEAD CHOKE	
L820	EXCELSA39E	BEAD CHOKE	
L828	EXCELDR35V	CORE	
L850	EXCELSA35B	BEAD CORE	
L851	EXCELSA35B	BEAD CORE	
L853	EXCELDR35C	BEAD CORE	
L855	EXCELDR35C	BEAD CORE	
L880	EXCELDR35V	CORE	
L891	ETQR45T001A	CHOKE COIL	
L892	J0JKB0000038	COIL	
L893	J0JKB0000038	COIL	
L904	G0C560JA0055	PEAKING COIL	
L953	EXCELSA35T	BEAD CORE	
L954	EXCELSA35T	BEAD CORE	
L956	EXCELSA35T	BEAD CORE	
LC1345	J0HAAB000012	EMI FILTER	
LC1346	J0HAAB000012	EMI FILTER	
LC1350	J0HAAB000012	EMI FILTER	
LC1351	J0HAAB000012	EMI FILTER	
LC1352	J0HAAB000012	EMI FILTER	
LC1501	J0HABB000004	EMI FILTER	
LC1502	J0HABB000004	EMI FILTER	
LC1503	J0HABB000004	EMI FILTER	
LC1504	J0HABB000004	EMI FILTER	
LC1507	J0HABB000003	EMI FILTER	
LC1508	J0HABB000003	EMI FILTER	
LC1509	J0HAAB000012	EMI FILTER	
LC1510	J0HAAB000012	EMI FILTER	
LC1511	J0HABB000003	EMI FILTER	
LC1514	J0HAAB000012	EMI FILTER	
LC1516	J0HAAB000012	EMI FILTER	
LC1517	ELKE103FA	NOISE FILTER	
LC1518	ELKE103FA	NOISE FILTER	
LC1519	ELKE103FA	NOISE FILTER	
LC1520	ELKE103FA	NOISE FILTER	
LC1521	ELKE103FA	NOISE FILTER	
LC1522	J0HAAB000012	EMI FILTER	
LC1523	ELKE103FA	NOISE FILTER	
LC1528	J0HABB000004	EMI FILTER	
LC1529	J0HAAB000012	EMI FILTER	
LC1530	J0HAAB000012	EMI FILTER	
LC1532	J0HAAB000012	EMI FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks
LC1533	J0HABB000003	EMI FILTER	
LC1534	J0HAAB000012	EMI FILTER	
LC1535	J0HAAB000012	EMI FILTER	
LC1536	J0HAAB000012	EMI FILTER	
LC1537	J0HAAB000012	EMI FILTER	
LC1541	J0HAAB000012	EMI FILTER	
LC1542	J0HAAB000012	EMI FILTER	
LC1543	J0HAAB000012	EMI FILTER	
LC1544	J0HAAB000012	EMI FILTER	
LC1545	J0HAAB000012	EMI FILTER	
LC1546	J0HAAB000012	EMI FILTER	
LC1547	J0HAAB000012	EMI FILTER	
LC1548	J0HAAB000012	EMI FILTER	
LC1550	ELKE103FA	NOISE FILTER	
	TRANSISTORS		
Q1051	B1ABCF000078	TRANSISTOR	
Q1060	B1ABCF000078	TRANSISTOR	
Q112	B1ADCF000001	TRANSISTOR	
Q1130	B1ABCF000078	TRANSISTOR	
Q1131	B1ADCF000001	TRANSISTOR	
Q1150	B1ABCF000078	TRANSISTOR	
Q1230	B1ABCF000078	TRANSISTOR	
Q1231	B1ADCF000001	TRANSISTOR	
Q1301	B1ABCF000078	TRANSISTOR	
Q1302	B1ABCF000078	TRANSISTOR	
Q1303	B1ABCF000078	TRANSISTOR	
Q1335	B1ADCF000001	TRANSISTOR	
Q1336	B1ADCF000001	TRANSISTOR	
Q1337	B1ADCF000001	TRANSISTOR	
Q1365	2SD10300TL	TRANSISTOR	
Q1366	2SD10300TL	TRANSISTOR	
Q1375	B1ADCF000001	TRANSISTOR	
Q1376	B1ADCF000001	TRANSISTOR	
Q1380	B1ADCF000001	TRANSISTOR	
Q1381	B1ABCF000078	TRANSISTOR	
Q1390	B1ABCF000078	TRANSISTOR	
Q1430	B1ADCF000001	TRANSISTOR	
Q1490	B1ABCF000078	TRANSISTOR	
Q1553	B1ABCF000078	TRANSISTOR	
Q1554	B1ABCF000078	TRANSISTOR	
Q1555	B1ABCF000078	TRANSISTOR	
Q1601	B1ABCF000078	TRANSISTOR	
Q1602	B1ABCF000078	TRANSISTOR	
Q1603	B1ABCF000078	TRANSISTOR	
Q2101	B1ABCF000078	TRANSISTOR	
Q2110	B1ADCF000001	TRANSISTOR	
Q2111	B1ADCF000001	TRANSISTOR	
Q2112	B1ADCF000001	TRANSISTOR	
Q2330	B1ADCF000001	TRANSISTOR	
Q2331	B1ABCF000078	TRANSISTOR	
Q2332	B1ABCF000078	TRANSISTOR	
Q2333	B1ABCF000078	TRANSISTOR	
Q2334	B1ABCF000078	TRANSISTOR	
Q3030	B1ABCF000078	TRANSISTOR	
Q3031	B1ABCF000078	TRANSISTOR	
Q3032	B1ABCF000078	TRANSISTOR	
Q3033	B1ABCF000078	TRANSISTOR	

[illegible]	[illegible]	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q3150	B1ABCF000078	TRANSISTOR	
Q3151	B1ABCF000078	TRANSISTOR	
Q3303	ERJ3GEY0R00	M 0OHM,J,1/16W	
Q3304	ERJ3GEY0R00	M 0OHM,J,1/16W	
Q3305	ERJ3GEY0R00	M 0OHM,J,1/16W	
Q369	B1ADCF000001	TRANSISTOR	
Q401	B1ABCF000078	TRANSISTOR	
Q415	B1ABCF000078	TRANSISTOR	
Q416	B1ABCF000078	TRANSISTOR	
Q451	B1ABCF000078	TRANSISTOR	
Q4801	B1ABCF000078	TRANSISTOR	
Q510	2SA1018Q	TRANSISTOR	
Q513	2SA1018Q	TRANSISTOR	
Q540	B1CEML000002	TRANSISTOR	
Q551	2SC5591000LK	TRANSISTOR	
Q555	2SC1473A	TRANSISTOR	
Q565	2SC3311A	TRANSISTOR	
Q575	B1ADCF000001	TRANSISTOR	
Q576	B1ABCF000078	TRANSISTOR	
Q577	B1ABCF000078	TRANSISTOR	
Q703	2SK2538000	TRANSISTOR	
Q810	2SC1473A	TRANSISTOR	
Q851	B1ADCF000001	TRANSISTOR	
Q870	B1ABCF000078	TRANSISTOR	
Q872	B1ABCF000078	TRANSISTOR	
Q873	B1ABCF000078	TRANSISTOR	
Q874	2SB1030A	TRANSISTOR	
Q880	B1ABCF000078	TRANSISTOR	
Q891	2SC3311AS	TRANSISTOR	
Q892	2SC1317	TRANSISTOR	
Q902	B1ABCF000078	TRANSISTOR	
Q903	B1ABCF000078	TRANSISTOR	
Q908	B1ABCF000078	TRANSISTOR	
Q952	B1ABCF000078	TRANSISTOR	
Q953	B1ABCF000078	TRANSISTOR	
Q954	B1ADCF000001	TRANSISTOR	
Q955	2SA1535ARLB	TRANSISTOR	
Q956	2SC3944ARLB	TRANSISTOR	
Q975	2SB14880QA	TRANSISTOR	
Q976	2SC54190RA	TRANSISTOR	
	RESISTORS		
R101	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1051	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1053	ERJ3GEYJ470	M 47OHM,J,1/16W	
R1054	ER0S2CHF3740	M 374OHM,F, 1/4W	
R1055	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1056	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R106	ERJ3GEYJ100	M 10OHM,J,1/16W	
R1061	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1062	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R1063	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R107	ERG3ANJ153	M 15KOHM,J, 3W	
R110	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1101	EXB38V680J	M 68OHM,J,1/16W	
R1106	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1107	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1108	ERJ3GEYJ103	M 10KOHM,J,1/16W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
R1109	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1110	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1111	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1112	ERJ3GEYJ331	M 330OHM,J,1/16W	
R1113	ERJ3GEYJ331	M 330OHM,J,1/16W	
R1114	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1115	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1116	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1117	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1118	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1119	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1120	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1121	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1122	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1123	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1124	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1125	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1126	ERJ3GEYJ391	M 390OHM,J,1/16W	
R1127	ERJ3GEYJ471	M 470OHM,J,1/16W	
R1128	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1129	ERJ3GEYJ223	M 22KOHM,J,1/16W	
R1130	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1131	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1132	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R1133	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	
R1134	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1135	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1136	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1137	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1138	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1139	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1140	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1141	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1143	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1144	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1145	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R1146	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R1147	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1148	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1149	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R115	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1150	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1151	ERJ3GEYJ680	M 68OHM,J,1/16W	
R1152	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1153	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1154	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1155	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1156	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1158	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1160	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1161	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1162	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1163	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1164	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1165	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1166	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1168	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
R1169	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1170	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1171	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1172	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1173	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1174	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1176	ERJ3GEYJ100	M 10OHM,J,1/16W	
R1178	ERJ3GEYJ100	M 10OHM,J,1/16W	
R1182	EXB38V680J	M 68OHM,J,1/16W	
R1183	EXB38V680J	M 68OHM,J,1/16W	
R1184	EXB38V680J	M 68OHM,J,1/16W	
R1185	EXB38V680J	M 68OHM,J,1/16W	
R1188	ERJ3GEYJ680	M 68OHM,J,1/16W	
R1190	EXB38V680J	M 68OHM,J,1/16W	
R1193	EXB38V680J	M 68OHM,J,1/16W	
R1195	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1196	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1198	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1199	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R120	ERJ3GEYJ683	M 68KOHM,J,1/16W	
R1201	ERJ3EKF2202	M 22KOHM,F,1/16W	
R1202	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R121	ERJ3GEYJ683	M 68KOHM,J,1/16W	
R1210	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R1211	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R1212	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R1213	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R1214	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R1215	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R1216	ERDS2TJ472	C 4.7KOHM,J, 1/4W	
R1217	ERDS2TJ332	C 3.3KOHM,J, 1/4W	
R1218	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1219	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1220	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R1221	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R1222	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R1223	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R1230	ERJ3GEYJ683	M 68KOHM,J,1/16W	
R1231	ERJ3GEYJ223	M 22KOHM,J,1/16W	
R1232	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1233	ERJ3GEYJ121	M 120OHM,J,1/16W	
R1234	ERJ3GEYJ681	M 680OHM,J,1/16W	
R1235	ERJ3GEYJ390	M 39OHM,J,1/16W	
R1253	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1254	ERJ3EKF1581	M1.58KOHM,F,1/16W	
R1255	ERJ3EKF75R0	M 75OHM,F,1/16W	
R1256	ERG1SJ220E	M 22OHM,J, 1W	
R1261	ERJ3EKF1623	M 162KOHM,F,1/16W	
R1262	ERJ3EKF1003	M 100KOHM,F,1/16W	
R1263	ERJ6GEYJ1R0	M 1OHM,J,1/10W	
R1264	ERJ3EKF1242	M12.4KOHM,F,1/16W	
R1268	ERJ3EKF4020	M 402OHM,F,1/16W	
R1269	ERJ3EKF1242	M12.4KOHM,F,1/16W	
R1270	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1271	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1279	ERJ3EKF1002	M 10KOHM,F,1/16W	
R1280	ERJ3EKF2321	M2.32KOHM,F,1/16W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
R1281	ERJ3EKF2152	M21.5KOHM,F,1/16W	
R1282	ERJ3EKF9091	M9.09KOHM,F,1/16W	
R1283	ERJ3EKF5111	M5.11KOHM,F,1/16W	
R1284	ERJ3EKF3241	M3.24KOHM,F,1/16W	
R1285	ERJ3EKF2211	M2.21KOHM,F,1/16W	
R1286	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1301	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1302	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1304	ERJ3GEYJ181	M 180OHM,J,1/16W	
R1305	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1306	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1308	ERJ3GEYJ181	M 180OHM,J,1/16W	
R1309	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1310	ERJ3GEYJ221	M 220OHM,J,1/16W	
R1312	ERJ3GEYJ181	M 180OHM,J,1/16W	
R1319	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1320	ERJ3GEYJ121	M 120OHM,J,1/16W	
R1321	ERJ3GEYJ121	M 120OHM,J,1/16W	
R1322	ERJ3EKF1800	M 180OHM,F,1/16W	
R1323	ERJ3EKF1800	M 180OHM,F,1/16W	
R1324	ERJ3EKF1800	M 180OHM,F,1/16W	
R1325	ERJ3EKF1800	M 180OHM,F,1/16W	
R1326	ERJ3EKF1800	M 180OHM,F,1/16W	
R1327	ERJ3EKF1800	M 180OHM,F,1/16W	
R1328	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1329	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1330	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1331	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1332	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1333	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1334	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	
R1335	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	
R1336	ERJ3EKF2201	M 2.2KOHM,F,1/16W	
R1337	ERJ3GEYJ121	M 120OHM,J,1/16W	
R1338	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	
R1339	ERJ3EKF2201	M 2.2KOHM,F,1/16W	
R1340	ERJ3GEYJ121	M 120OHM,J,1/16W	
R1341	ERJ3GEYJ911	M 910OHM,J,1/16W	
R1342	ERJ3EKF2201	M 2.2KOHM,F,1/16W	
R1343	ERJ3EKF1200	M 120OHM,F,1/16W	
R1345	ERJ3GEYJ220	M 22OHM,J,1/16W	
R1346	ERJ3GEYJ220	M 22OHM,J,1/16W	
R1347	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1348	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1360	ERJ3GEYJ162	M 1.6KOHM,J,1/16W	
R1361	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1362	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1364	ERJ3GEYJ221	M 220OHM,J,1/16W	
R1365	ERJ3GEYJ471	M 470OHM,J,1/16W	
R1366	ERJ3GEYJ471	M 470OHM,J,1/16W	
R1367	ERJ3GEYJ221	M 220OHM,J,1/16W	
R1370	ERJ3GEYJ471	M 470OHM,J,1/16W	
R1371	ERJ3GEYJ471	M 470OHM,J,1/16W	
R1375	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1376	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1380	EXB38V103J	EXB38V103JV	
R1383	ERJ3GEYJ102	M 1KOHM,J,1/16W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
R1384	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1385	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1386	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1387	ERJ3EKF1201	M 1.2KOHM,F,1/16W	
R1388	ERJ3EKF2801	M 2.8KOHM,F,1/16W	
R1389	ERJ3EKF1201	M 1.2KOHM,F,1/16W	
R1390	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1401	ERJ3GEYJ242	M 2.4KOHM,J,1/16W	
R1406	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1409	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1410	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1411	ERJ3EKF2701	M 2.7KOHM,F,1/16W	
R1412	ERJ3GEYJ271	M 270OHM,J,1/16W	
R1413	ERJ3GEYJ471	M 470OHM,J,1/16W	
R1414	ERJ3GEYJ471	M 470OHM,J,1/16W	
R1416	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1417	ERJ3GEYJ271	M 270OHM,J,1/16W	
R1418	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1419	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1420	ERJ3EKF2701	M 2.7KOHM,F,1/16W	
R1421	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R1422	ERJ3EKF1401	M 1.4KOHM,F,1/16W	
R1423	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R1424	ERJ3EKF1401	M 1.4KOHM,F,1/16W	
R1425	ERJ3EKF1401	M 1.4KOHM,F,1/16W	
R1426	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R1427	ERJ3EKF1401	M 1.4KOHM,F,1/16W	
R1428	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R1429	ERJ3EKF2701	M 2.7KOHM,F,1/16W	
R1430	ERJ3EKF2701	M 2.7KOHM,F,1/16W	
R1432	ERJ3GEYJ221	M 220OHM,J,1/16W	
R1433	ERJ3GEYJ221	M 220OHM,J,1/16W	
R1434	ERJ3GEYJ471	M 470OHM,J,1/16W	
R1435	ERJ3GEYJ470	M 47OHM,J,1/16W	
R1436	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1437	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1440	EXB38V680J	M 68OHM,J,1/16W	
R1441	EXB38V680J	M 68OHM,J,1/16W	
R1442	EXB38V680J	M 68OHM,J,1/16W	
R1443	ERJ3GEYJ680	M 68OHM,J,1/16W	
R1444	EXB38V680J	M 68OHM,J,1/16W	
R1445	EXB38V680J	M 68OHM,J,1/16W	
R1446	EXB38V680J	M 68OHM,J,1/16W	
R1447	ERJ3GEYJ680	M 68OHM,J,1/16W	
R1450	EXB38V680J	M 68OHM,J,1/16W	
R1451	EXB38V680J	M 68OHM,J,1/16W	
R1452	EXB38V680J	M 68OHM,J,1/16W	
R1453	ERJ3GEYJ680	M 68OHM,J,1/16W	
R1454	ERJ3GEYJ680	M 68OHM,J,1/16W	
R1455	EXB38V680J	M 68OHM,J,1/16W	
R1456	EXB38V680J	M 68OHM,J,1/16W	
R1457	EXB38V680J	M 68OHM,J,1/16W	
R1460	ERJ3GEYJ100	M 10OHM,J,1/16W	
R1461	ERJ3GEYJ100	M 10OHM,J,1/16W	
R1462	ERJ3GEYJ100	M 10OHM,J,1/16W	
R1463	ERJ3GEYJ333	M 33KOHM,J,1/16W	
R1464	ERJ3GEYJ333	M 33KOHM,J,1/16W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
R1465	ERJ3GEYJ333	M 33KOHM,J,1/16W	
R1466	ERJ3GEYJ333	M 33KOHM,J,1/16W	
R1467	ERJ3GEYJ333	M 33KOHM,J,1/16W	
R1468	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1469	ERJ3GEYJ333	M 33KOHM,J,1/16W	
R1473	ERJ3EKF75R0	M 75OHM,F,1/16W	
R1474	ERJ3EKF75R0	M 75OHM,F,1/16W	
R1475	ERJ3EKF75R0	M 75OHM,F,1/16W	
R1479	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1487	ERJ3GEYJ471	M 470OHM,J,1/16W	
R1490	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1494	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1495	ERJ3GEYJ331	M 330OHM,J,1/16W	
R1496	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1497	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R1498	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	
R1501	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	
R1502	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	
R1503	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	
R1504	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	
R1505	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1506	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1507	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1508	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1509	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1510	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1511	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1570	ERJ3EKF8202	M 82KOHM,F,1/16W	
R1571	ERJ3EKF1302	M 13KOHM,F,1/16W	
R1580	ERJ3GEYJ151	M 150OHM,J,1/16W	
R1581	ERJ3GEYJ151	M 150OHM,J,1/16W	
R1582	ERJ3GEYJ151	M 150OHM,J,1/16W	
R1583	ERJ3EKF4700	M 470OHM,F,1/16W	
R1584	ERJ3EKF4700	M 470OHM,F,1/16W	
R1585	ERJ3EKF4700	M 470OHM,F,1/16W	
R1586	ERJ3EKF1800	M 180OHM,F,1/16W	
R1587	ERJ3EKF1800	M 180OHM,F,1/16W	
R1588	ERJ3EKF1800	M 180OHM,F,1/16W	
R1590	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1591	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1592	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1593	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1594	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1601	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1602	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1603	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1604	ERJ3GEYJ151	M 150OHM,J,1/16W	
R1605	ERJ3GEYJ151	M 150OHM,J,1/16W	
R1606	ERJ3GEYJ151	M 150OHM,J,1/16W	
R1607	ERJ3GEYJ221	M 220OHM,J,1/16W	
R1608	ERJ3GEYJ221	M 220OHM,J,1/16W	
R1609	ERJ3GEYJ221	M 220OHM,J,1/16W	
R1620	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1624	ERJ3GEY0R00	M 0OHM,J,1/16W	
R1628	ERJ3GEY0R00	M 0OHM,J,1/16W	
R2101	ERJ3GEY0R00	M 0OHM,J,1/16W	
R2102	ERJ3GEY0R00	M 0OHM,J,1/16W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
R2104	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2105	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2110	ERJ3GEYJ101	M 100OHM,J,1/16W	
R2111	ERJ3GEYJ101	M 100OHM,J,1/16W	
R2112	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R2113	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R2114	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R2115	ERJ3GEYJ101	M 100OHM,J,1/16W	
R2116	ERJ3GEYJ101	M 100OHM,J,1/16W	
R2117	ERJ3GEYJ101	M 100OHM,J,1/16W	
R2119	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2120	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2121	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2130	ERJ3GEYJ471	M 470OHM,J,1/16W	
R2131	ERJ3GEYJ101	M 100OHM,J,1/16W	
R2330	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2331	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R2332	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2333	ERJ3GEY0R00	M 0OHM,J,1/16W	
R2334	ERJ3GEYJ223	M 22KOHM,J,1/16W	
R2335	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2337	ERJ3GEY0R00	M 0OHM,J,1/16W	
R2338	ERJ3GEYJ303	M 30KOHM,J,1/16W	
R2339	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2340	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2341	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2801	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R2803	ERDS2TJ8R2	C 8.2OHM,J, 1/4W	
R2804	ERX2SJR56E	M 0.56OHM,J, 2W	
R2805	ERX2SJR56E	M 0.56OHM,J, 2W	
R2808	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2809	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	
R2813	ERDS2TJ8R2	C 8.2OHM,J, 1/4W	
R2818	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2819	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	
R2832	ERJ3GEYJ471	M 470OHM,J,1/16W	
R2833	ERJ3GEYJ471	M 470OHM,J,1/16W	
R3001	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3002	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3003	ERJ3GEYJ184	M 180KOHM,J,1/16W	
R3004	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3005	ERJ3GEYJ184	M 180KOHM,J,1/16W	
R3006	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3007	ERJ3GEYJ221	M 220OHM,J,1/16W	
R3009	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3010	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3011	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3012	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3015	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3016	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3017	ERJ3GEYJ184	M 180KOHM,J,1/16W	
R3018	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3019	ERJ3GEYJ184	M 180KOHM,J,1/16W	
R3020	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3021	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3022	ERDS2TJ102	C 1KOHM,J, 1/4W	
R3023	ERJ3GEY0R00	M 0OHM,J,1/16W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
R3031	ERJ3GEYJ223	M 22KOHM,J,1/16W	
R3032	ERJ3GEYJ471	M 470OHM,J,1/16W	
R3033	ERJ3GEYJ223	M 22KOHM,J,1/16W	
R3034	ERJ3GEYJ680	M 68OHM,J,1/16W	
R3035	ERJ3GEYJ181	M 180OHM,J,1/16W	
R3036	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R3037	ERJ3GEYJ101	M 100OHM,J,1/16W	
R3038	ERJ3GEYJ101	M 100OHM,J,1/16W	
R3039	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R3040	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R3041	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R3042	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R3043	ERJ3GEYJ223	M 22KOHM,J,1/16W	
R3044	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3045	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3046	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3055	ERJ3GEYJ184	M 180KOHM,J,1/16W	
R3056	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3057	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3058	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3059	ERJ3GEYJ184	M 180KOHM,J,1/16W	
R3060	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3070	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3075	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3076	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3080	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3081	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3082	ERJ3GEYJ184	M 180KOHM,J,1/16W	
R3083	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3084	ERJ3GEYJ184	M 180KOHM,J,1/16W	
R3085	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3086	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3087	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3088	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3089	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3090	ERJ3GEYJ221	M 220OHM,J,1/16W	
R3104	ERDS2TJ102	C 1KOHM,J, 1/4W	
R3150	ERJ3GEYJ220	M 22OHM,J,1/16W	
R3151	ERJ3GEYJ220	M 22OHM,J,1/16W	
R3152	ERJ3GEYJ220	M 22OHM,J,1/16W	
R3153	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3154	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3155	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3156	ERJ3GEYJ333	M 33KOHM,J,1/16W	
R3157	ERJ3GEYJ101	M 100OHM,J,1/16W	
R3158	ERJ3GEYJ101	M 100OHM,J,1/16W	
R3159	ERJ3GEYJ333	M 33KOHM,J,1/16W	
R3160	ERDS2TJ681	C 680OHM,J, 1/4W	
R3161	ERDS2TJ151	C 150OHM,J, 1/4W	
R3162	ERJ3GEYJ101	M 100OHM,J,1/16W	
R3163	ERJ3GEYJ101	M 100OHM,J,1/16W	
R3301	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3302	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3303	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3304	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R3305	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R3306	ERJ3GEYJ221	M 220OHM,J,1/16W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
R3307	ERJ3GEYJ221	M 220OHM,J,1/16W	
R3308	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3311	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3312	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3313	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3314	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3315	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3316	ERJ3GEYJ750	M 75OHM,J,1/16W	
R3317	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3320	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3321	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3322	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3330	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3331	ERJ3GEY0R00	M 0OHM,J,1/16W	
R3332	ERJ3GEY0R00	M 0OHM,J,1/16W	
R351	ERJ3GEYJ271	M 270OHM,J,1/16W	
R352	ERJ3EKF1801	M 1.8KOHM,F,1/16W	
R353	ERJ3EKF1401	M 1.4KOHM,F,1/16W	
R354	ERG3FJ823H	M 82KOHM,J, 3W	
R355	ERJ3GEY0R00	M 0OHM,J,1/16W	
R356	ERJ3GEYJ822	M 8.2KOHM,J,1/16W	
R357	ERC12GK561	S 560OHM,K, 1/2W	
R360	ERJ3GEYJ221	M 220OHM,J,1/16W	
R361	ERJ3EKF1801	M 1.8KOHM,F,1/16W	
R362	ERG3FJ823H	M 82KOHM,J, 3W	
R363	ERJ3EKF1401	M 1.4KOHM,F,1/16W	
R364	ERJ3GEY0R00	M 0OHM,J,1/16W	
R365	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	
R366	ERC12GK561	S 560OHM,K, 1/2W	
R370	ERJ3GEYJ271	M 270OHM,J,1/16W	
R371	ERJ3EKF1801	M 1.8KOHM,F,1/16W	
R372	ERJ3EKF1401	M 1.4KOHM,F,1/16W	
R373	ERG3FJ823H	M 82KOHM,J, 3W	
R374	ERJ3GEY0R00	M 0OHM,J,1/16W	
R375	ERJ3GEYJ822	M 8.2KOHM,J,1/16W	
R376	ERC12GK561	S 560OHM,K, 1/2W	
R381	ERG3FJ470H	M 47OHM,J, 3W	
R382	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R385	ERJ3GEYJ184	M 180KOHM,J,1/16W	
R387	ERDS1TJ471	C 470OHM,J, 1/2W	
R389	ERJ3EKF1620	M 162OHM,F,1/16W	
R401	ERJ3EKF8201	M 8.2KOHM,F,1/16W	
R402	ERJ3EKF3902	M 39KOHM,F,1/16W	
R403	ERJ3EKF2002	M 20.0KOHM,F,1/16W	
R404	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R405	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R406	ERJ3EKF1002	M 10KOHM,F,1/16W	
R407	ERJ3EKF1181	F 11.8OHM,F,1/16W	
R408	ERJ3EKF9760	M 976OHM,F,1/16W	
R409	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R410	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R411	ERJ3GEYJ121	M 120OHM,J,1/16W	
R412	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R415	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R416	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R417	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R418	ERJ3GEYJ102	M 1KOHM,J,1/16W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
R419	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	
R451	ERDS1TJ1R5	C 1.5OHM,J, 1/2W	
R452	ERDS1TJ1R5	C 1.5OHM,J, 1/2W	
R453	ERJ3GEYJ393	M 39KOHM,J,1/16W	
R454	ERJ3GEYJ123	M 12KOHM,J,1/16W	
R455	ERJ3GEYJ101	M 100OHM,J,1/16W	
R456	ERG3FJ151H	M 150OHM,J, 3W	
R457	ERJ3EKF7151	M7.15KOHM,F,1/16W	
R458	ERJ3EKF3481	M3.48KOHM,F,1/16W	
R459	ERJ3EKF9531	M9.53KOHM,F,1/16W	
R460	ERJ3EKF3011	M3.01KOHM,F,1/16W	
R461	ERDS1FJ1R0	C 1OHM,J, 1/2W	
R462	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R465	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R467	ERJ3GEYJ471	M 470OHM,J,1/16W	
R468	ERJ3GEYJ224	M 220KOHM,J,1/16W	
R469	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R470	ERJ3GEY0R00	M 0OHM,J,1/16W	
R471	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R472	ERJ3GEYJ683	M 68KOHM,J,1/16W	
R4801	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R4803	ERX12SJ2R7E	M 2.7OHM,J, 1/2W	
R4804	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	
R4805	ERJ3EKF1331	M1.33KOHM,F,1/16W	
R4806	ERJ3EKF3320	M 332OHM,F,1/16W	
R4807	ERJ3EKF1001	M 1KOHM,F,1/16W	
R4808	ERJ3EKF3832	M38.3KOHM,F,1/16W	
R4809	ERJ3EKF9091	M9.09KOHM,F,1/16W	
R4810	ERJ3EKF2213	M 221KOHM,F,1/16W	
R4811	ERJ3EKF5491	M5.49KOHM,F,1/16W	
R4812	ER0S2CKF5621	M5.62KOHM,F, 1/4W	
R4815	ERDS1FJ6R8	C 6.8OHM,J, 1/2W	
R4816	ERDS1FJ390	C 39OHM,J, 1/2W	
R502	ERQ14AJ100	F 10OHM,J, 1/4W	
R503	ER0S2CKF1152	M11.5KOHM,F, 1/4W	
R504	ER0S2CHF8661	M8.66KOHM,F, 1/4W	
R506	ERDS1FJ1R0	C 1OHM,J, 1/2W	
R507	ERDS1FJ1R0	C 1OHM,J, 1/2W	
R508	ERQ2CJP3R3S	F 3.3OHM,J, 2W	
R510	ERDS1TJ333	C 33KOHM,J, 1/2W	
R511	ERDS2TJ821	C 820OHM,J, 1/4W	
R512	ERDS2TJ562	C 5.6KOHM,J, 1/4W	
R513	ERDS2TJ103	C 10KOHM,J, 1/4W	
R514	ERDS2TJ333	C 33KOHM,J, 1/4W	
R515	ERF7ZK2R2	W 2.2OHM, 7W	
R518	ERJ3GEYJ153	M 15KOHM,J,1/16W	
R519	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R520	ERDS2TJ153	C 15KOHM,J, 1/4W	
R521	ERDS2TJ153	C 15KOHM,J, 1/4W	
R522	ERDS2TJ682	C 6.8KOHM,J, 1/4W	
R523	ERDS2TJ471	C 470OHM,J, 1/4W	
R524	ERDS2TJ182	C 1.8KOHM,J, 1/4W	
R525	ERDS2TJ104	C 100KOHM,J, 1/4W	
R526	ERJ3EKF2202	M 22KOHM,F,1/16W	
R527	ERJ3GEY0R00	M 0OHM,J,1/16W	
R528	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R529	ERJ3GEYJ223	M 22KOHM,J,1/16W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
R530	ERG3FJ472H	M 4.7KOHM,J, 3W	
R531	ERDS2TJ222	C 2.2KOHM,J, 1/4W	
R532	ERDS2TJ222	C 2.2KOHM,J, 1/4W	
R533	ERDS2TJ153	C 15KOHM,J, 1/4W	
R534	ERDS2TJ272	C 2.7KOHM,J, 1/4W	
R535	D0AE912JA046	C 9.1KOHM,J, 1/4W	
R536	ERDS2TJ274	C 270KOHM,J, 1/4W	
R537	ER0S2CKF1002	M 10KOHM,F, 1/4W	
R538	ERDS2TJ222	C 2.2KOHM,J, 1/4W	
R539	ERDS2TJ104	C 100KOHM,J, 1/4W	
R540	ERDS2TJ223	C 22KOHM,J, 1/4W	
R541	ERDS2TJ101	C 100OHM,J, 1/4W	
R542	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R543	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R544	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R545	ERDS2TJ104	C 100KOHM,J, 1/4W	
R546	ERDS2TJ271	C 270OHM,J, 1/4W	
R547	ERX3FJ1R0H	M 1OHM,J, 3W	
R549	ERG1FJS561D	M 560OHM,J, 1W	
R551	D0D2R18KA008	W 0.18OHM, 2W	
R555	ER050CKF2802	M 28KOHM,F, 1/2W	
R556	ER0S2CHF2872	M28.7KOHM,F, 1/4W	
R557	ER0S2CHF4702	M 47KOHM,F, 1/4W	
R558	ER0S2CHF1502	M 15KOHM,F, 1/4W	
R559	ER0S2CHF3902	M 39KOHM,F, 1/4W	
R565	ERDS2TJ103	C 10KOHM,J, 1/4W	
R566	ERDS2TJ334	C 330KOHM,J, 1/4W	
R567	ERDS2TJ223	C 22KOHM,J, 1/4W	
R568	ERDS2TJ154	C 150KOHM,J, 1/4W	
R569	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R575	ERJ3GEYJ221	M 220OHM,J,1/16W	
R576	ERJ3GEYJ391	M 390OHM,J,1/16W	
R577	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R578	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R579	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R583	ERG3FJ151H	M 150OHM,J, 3W	
R705	D0D5471JA013	W 470OHM,J, 5W	
R714	ERDS1FJ680	C 68OHM,J, 1/2W	
R719	ERF5AK4R7	W 4.7OHM,K, 5W	
R801	ERF7ZK2R7	W 2.7OHM, K, 7W	
R808	ERQ14AJ100E	F 10OHM,J, 1/4W	
R809	ERG2FJ470H	M 47OHM,J, 2W	
R812	ERDS2TJ104	C 100KOHM,J, 1/4W	
R813	ERG2SJS104H	M 100KOHM,J, 2W	
R817	ERDS1TJ330	C 33OHM,J, 1/2W	
R818	ERG2DJ204P	M 200KOHM,J, 2W	
R819	ERDS2TJ101	C 100OHM,J, 1/4W	
R820	ERX12SZJR12E	M 0.12OHM,J, 1/2W	
R821	ERX12SZJR12E	M 0.12OHM,J, 1/2W	
R823	ERDS2TJ152	C 1.5KOHM,J, 1/4W	
R824	ERDS2TJ153	C 15KOHM,J, 1/4W	
R825	ERDS2TJ123	C 12KOHM,J, 1/4W	
R826	ERG1SJ223P	M 22KOHM,J, 1W	
R827	ERX12SJ1R0P	M 1OHM,J, 1/2W	
R828	ERDS2TJ681	C 680OHM,J, 1/4W	
R829	ERDS2TJ682	C 6.8KOHM,J, 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R832	ERDS2TJ102	C 1KOHM,J, 1/4W	
R834	ERDS2TJ103	C 10KOHM,J, 1/4W	
R840	ERD75TAJ825	C 8.2MOHM,J, 3/4W	
R851	ERQ2CKR33	F 0.33OHM,K, 2W	
R853	D0D5R33KA007	W 0.33OHM,K, 5W	
R854	D0D5R33KA007	W 0.33OHM,K, 5W	
R858	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R859	ERDS1TJ182	C 1.8OHM,J, 1/2W	
R860	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	
R866	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R870	ERDS2TJ182	C 1.8KOHM,J, 1/4W	
R871	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R878	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R879	D0AE302JA046	C 3KOHM,J, 1/4W	
R880	ERJ3GEY0R00	M 0OHM,J,1/16W	
R881	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	
R882	ERJ3GEYJ333	M 33KOHM,J,1/16W	
R883	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R885	ERJ3GEY0R00	M 0OHM,J,1/16W	
R886	ERDS2TJ473	C 47KOHM,J, 1/4W	
R889	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	
R891	ERDS2TJ473	C 47KOHM,J, 1/4W	
R892	ERDS2TJ102	C 1KOHM,J, 1/4W	
R893	ERC14GK824	S 820KOHM,K, 1/4W	
R901	ERDS1FJ102	C 1KOHM,J, 1/2W	
R902	ERJ3GEYJ333	M 33KOHM,J,1/16W	
R903	ERJ3GEYJ183	M 18KOHM,J,1/16W	
R904	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	
R905	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R906	ERJ3GEYJ271	M 270OHM,J,1/16W	
R907	ERJ3GEYJ510	M 51OHM,J,1/16W	
R908	ERJ3GEYJ391	M 390OHM,J,1/16W	
R909	ERJ3GEYJ271	M 270OHM,J,1/16W	
R950	ERQ1CJP331S	F 330OHM,J, 1W	
R952	ERDS2TJ561	C 560OHM,J, 1/4W	
R953	ERJ3GEYJ271	M 270OHM,J,1/16W	
R954	ERDS1FJ561	C 560OHM,J, 1/2W	
R955	ERJ3GEYJ271	M 270OHM,J,1/16W	
R956	ERDS1FJ561	C 560OHM,J, 1/2W	
R957	ERDS1TJ330	C 33OHM,J, 1/2W	
R958	ERDS1TJ330	C 33OHM,J, 1/2W	
R960	ERQ14AJ100E	F 10OHM,J, 1/4W	
R962	ERQ14AJ120E	F 12OHM,J, 1/4W	
R963	ERQ14AJ120E	F 12OHM,J, 1/4W	
R964	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	
R965	ERJ3GEYJ243	M 24KOHM,J,1/16W	
R966	ERG3FJ151H	M 150OHM,J, 3W	
R967	ERJ3GEYJ243	M 24KOHM,J,1/16W	
R968	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	
R969	ERDS1FJ390	C 39OHM,J, 1/2W	
R970	ERJ3GEYJ2R7	M 2.7OHM,J,1/16W	
R971	ERJ3GEYJ2R7	M 2.7OHM,J,1/16W	
R972	ERDS1FJ390	C 39OHM,J, 1/2W	
R973	ERDS1FJ121	C 120OHM,J, 1/2W	
R975	ERDS1TJ104	C 100KOHM,J, 1/2W	
R976	ERJ3EKF1002	M 10KOHM,F,1/16W	
R977	ERJ3EKF4701	M 4.7KOHM,F,1/16W	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
	TRANSFORMERS		
T501	ZTFN35002A	FLYBACK TRANS	
T550	ETH19Y187AY	H DRIVE TRANS	
T801	TLP4GA015D	SWITCHING TRANS	
	OTHERS		
A1	K1KA10AA0191	CONNECTOR	
A11	K1KB35BA0023	CONNECTOR	
A16	K1KA09AA0190	CONNECTOR	
A17	K1KA09AA0190	CONNECTOR	
A20	TJS4G411	CONNECTOR	
A22	K1KA05AA0190	CONNECTOR	
A23	K1KA04AA0190	CONNECTOR	
A24	K1KB16BA0016	CONNECTOR	
A25	K1KB16BA0016	CONNECTOR	
A27	TJS4G413	CONNECTOR	
A50	K1KA07AA0093	CONNECTOR	
A51	K1MM82AA0001	CONNECTOR	
A52	K1KA02AA0180	CONNECTOR	
A7	K1KA09AA0190	CONNECTOR	
A90	K1KA05A00401	CONNECTOR	
A92	K1KA03AA0190	CONNECTOR	
DG85	TJS4G415	CONNECTOR	
DG86	TJS4G416	CONNECTOR	
DY2	K1KA03AA0190	CONNECTOR	
F801	K5D502BK0003	FUSE	
G20	TJS4G412	CONNECTOR	
G27	TJS4G414	CONNECTOR	
H11	K1KA35BA0137	CONNECTOR	
H12	K1KA03BA0055	CONNECTOR	
H52	K1KA02AA0180	CONNECTOR	
JA1	ERJ3GEY0R00	M 0OHM,J,1/16W	
JA1	ERJ3GEY0R00	M 0OHM,J,1/16W	
JA5	ERJ3GEY0R00	M 0OHM,J,1/16W	
JA6	ERJ3GEY0R00	M 0OHM,J,1/16W	
JK1	K4BZ22B00001	AV TERMINAL	
JK3001	K4BK40A00004	REAR AV TERMINAL	
JK3150	TJSF26815	15P CONNECTOR (D-SUB)	
JK351	K3B10CA00040	CRT SOCKET	
JS105	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS106	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS108	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS109	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1101	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1102	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1103	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1104	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1105	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1106	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1107	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1108	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1109	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1110	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS114	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1150	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1320	ERJ3GEY0R00	M 0OHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
JS1321	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1322	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1338	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1360	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1361	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1362	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1370	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1371	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1372	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1386	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1387	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1401	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1402	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1403	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1420	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1421	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1422	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1430	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1431	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1432	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1512	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1513	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1515	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1524	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1525	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1526	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1531	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1539	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1540	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1549	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS1601	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS2150	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS2814	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS3011	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS3012	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS3013	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS3014	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS3015	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS4801	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS540	ERJ3GEY0R00	M 0OHM,J,1/16W	
JS857	ERJ3GEY0R00	M 0OHM,J,1/16W	
L1	K1KA10AA0191	CONNECTOR	
L2	K1KA03AA0190	CONNECTOR	
L3	K1KA06AA0190	CONNECTOR	
L11A	K1ZZ00001300	CONNECTOR	
P90	K1KA05A00401	CONNECTOR	
P92	K1KA03AA0190	CONNECTOR	
RL891	K6B2ADA00005	RELAY	
RT1	K1KA03AA0190	CONNECTOR	
RT2	K1KA03AA0190	CONNECTOR	
S1280	EVQ11G05R	SWITCH	
S1281	EVQ11G05R	SWITCH	
S1282	EVQ11G05R	SWITCH	
S1283	EVQ11G05R	SWITCH	
S1284	EVQ11G05R	SWITCH	
S1285	EVQ11G05R	SWITCH	

Ref. No.	Part No.	Part Name & Description	Remarks
S801	ESB92DA1B	SWITCH	
TNR1	ENG39609GRF	TUNER	
X1150	H0J600400006	CRYSTAL OSC	
X1301	TSSA171	CRYSTAL OSC	
X2130	TSSA128	CRYSTAL OSC	
X24	K1KA16BA0091	CONNECTOR	
X25	K1KA16BA0091	CONNECTOR	
X3	K1KA06AA0190	CONNECTOR	

TNP4G290A1
H.V.DANGER
COLD
TNR1
P6F
A24
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DY1
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S801
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D801
T801
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P2 PTB PTA P1 NC V2
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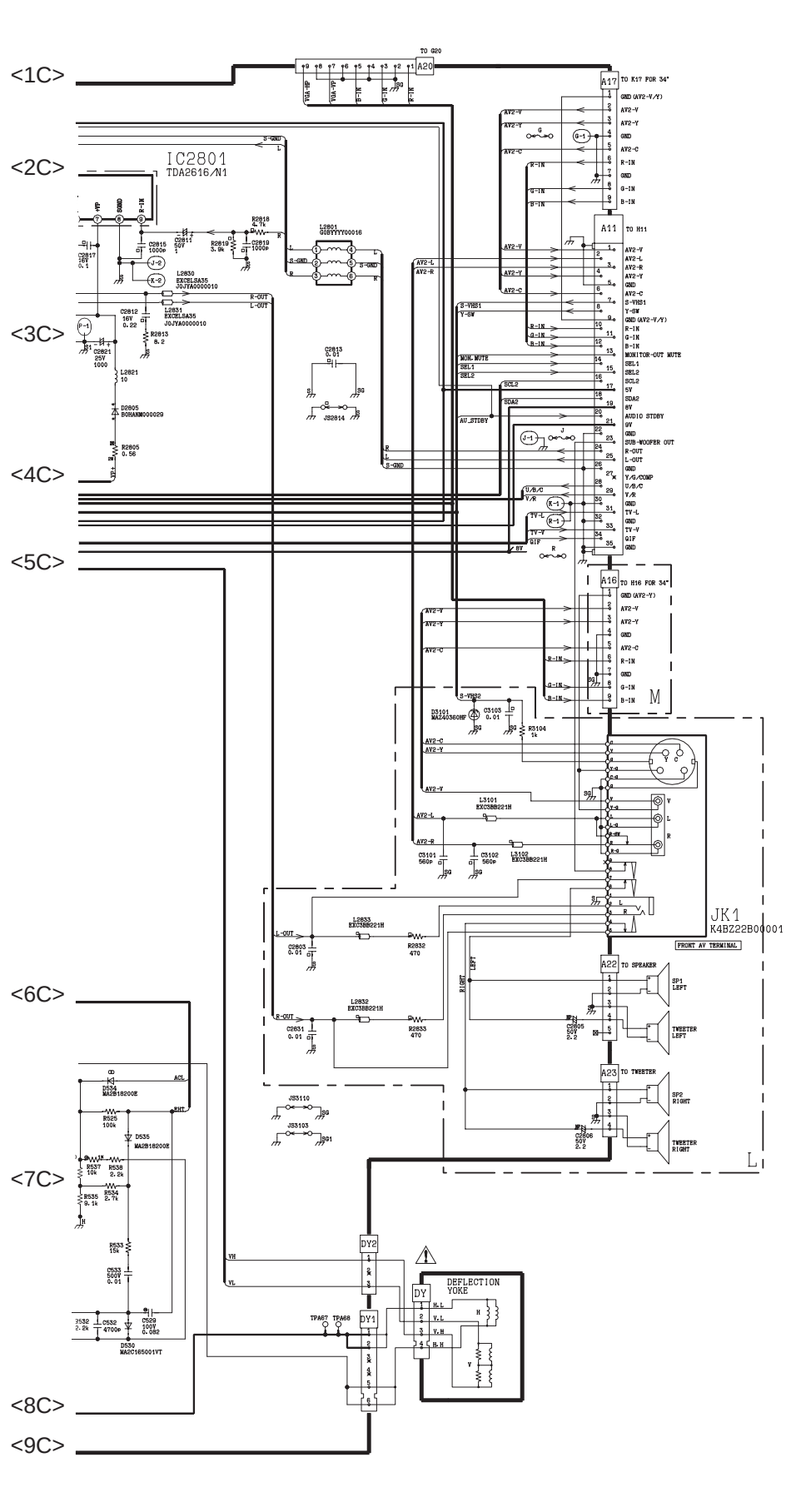
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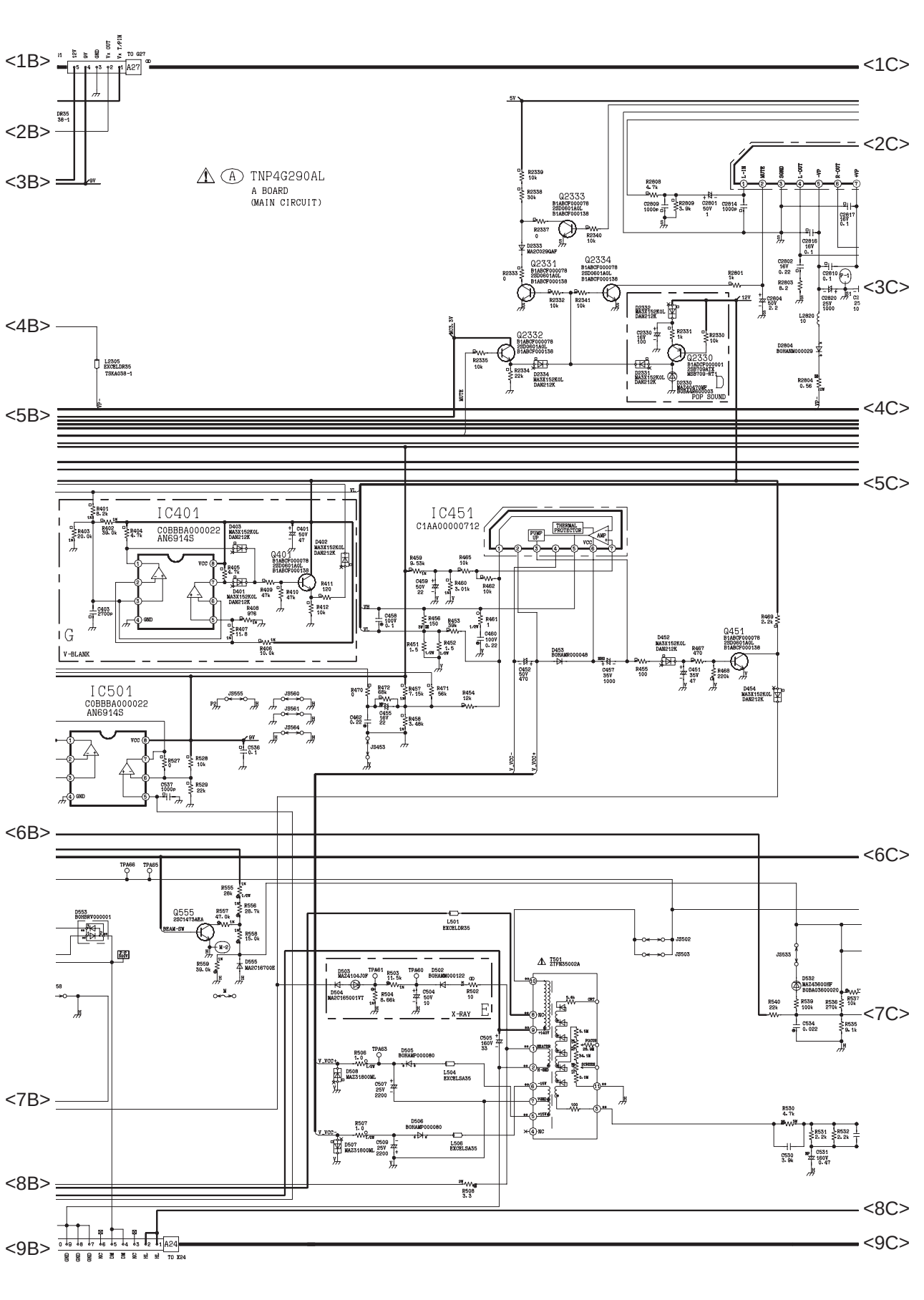
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AN6914S
Q2333
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POP SOUND
X-RAY
V-BLANK
TO G27
TO X24
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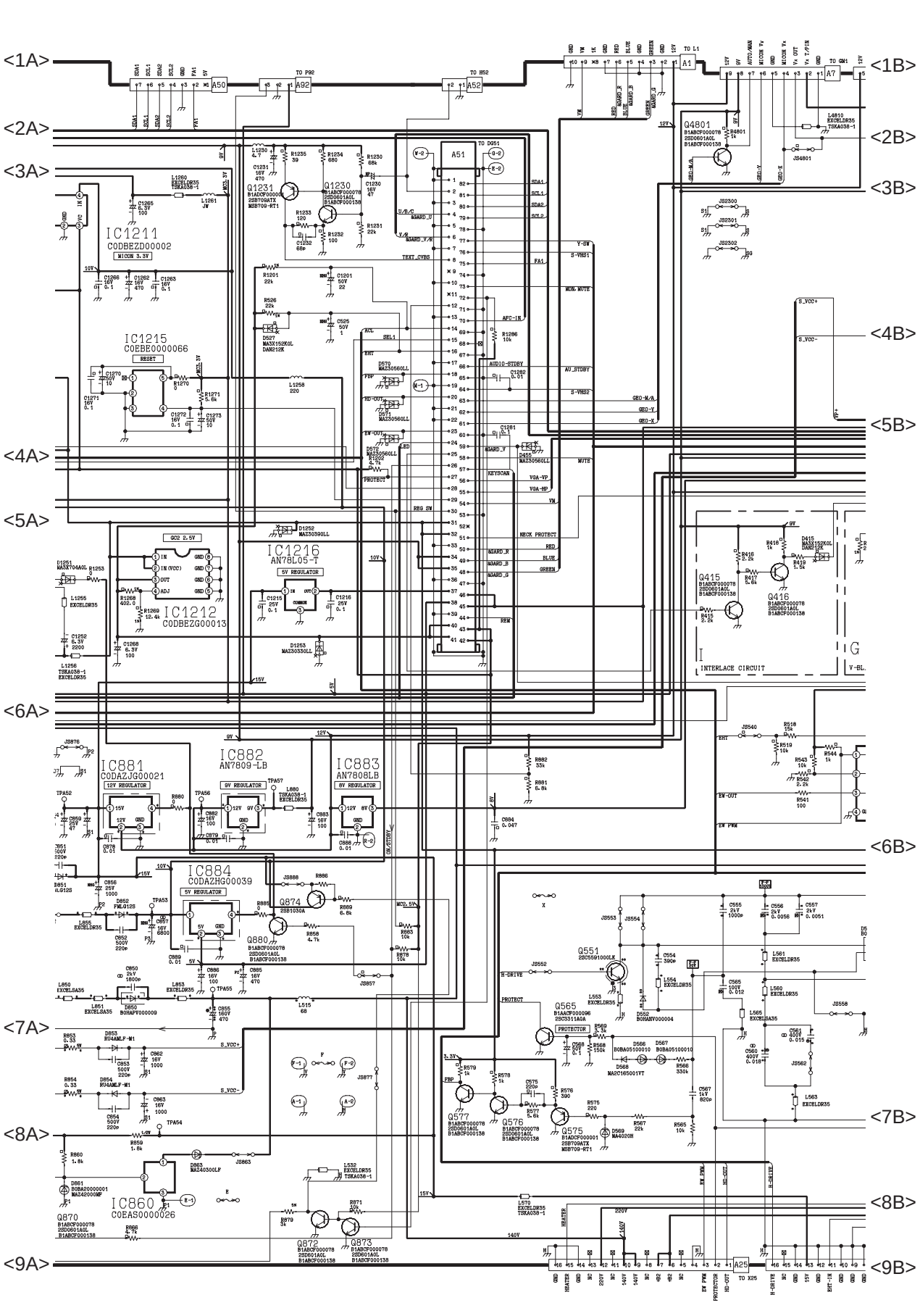
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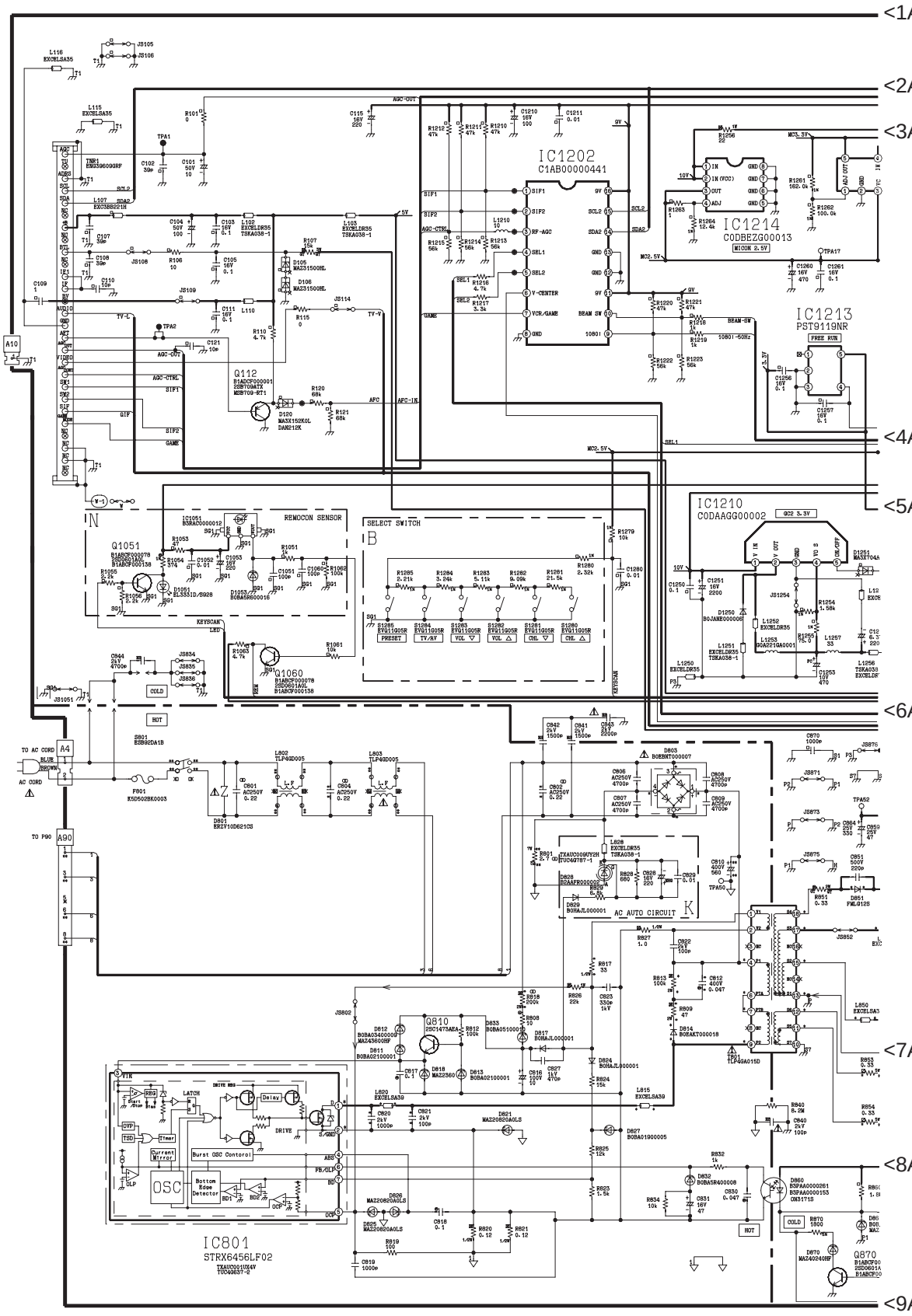
TO H52
TO D951
TO L1
TO QN1
TO X25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Q112
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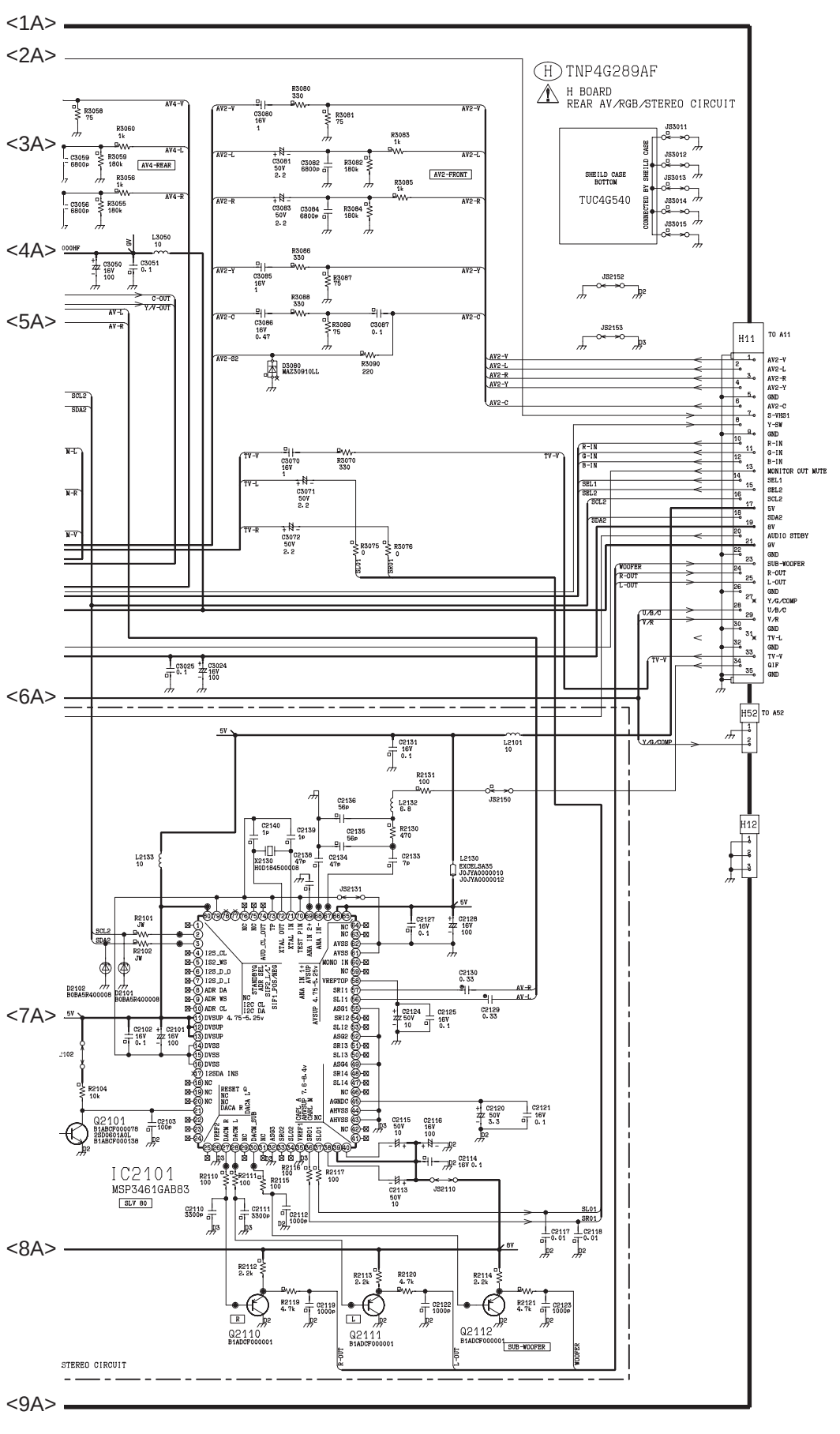
REMOCON SENSOR
SELECT SWITCH
AC AUTO CIRCUIT
TO AC CORD
TO K10
TO P90
HOT
COLD


H TNP4G289AF
H BOARD
REAR AV/RGB/STEREO CIRCUIT
SHEILD CASE BOTTOM
TUC4G540
CONNECTED BY SHIELD CASE
JS3011
JS3012
JS3013
JS3014
JS3015
JS2152
JS2153
H11
TO A11
AV2-V
AV2-L
AV2-R
AV2-Y
GND
AV2-C
S-VHS1
Y-SW
GND
R-IN
G-IN
B-IN
MONITOR OUT MUTE
SEL1
SEL2
SCL2
5V
SDA2
8V
AUDIO STDBY
9V
GND
SUB-WOOFER
R-OUT
L-OUT
GND
Y/G/COMP
U/B/C
V/R
GND
TV-L
GND
TV-V
GIF
GND
H52
TO A52
H12
AV4-REAR
AV2-FRONT
IC2101
MSP3461GAB83
SLV 80
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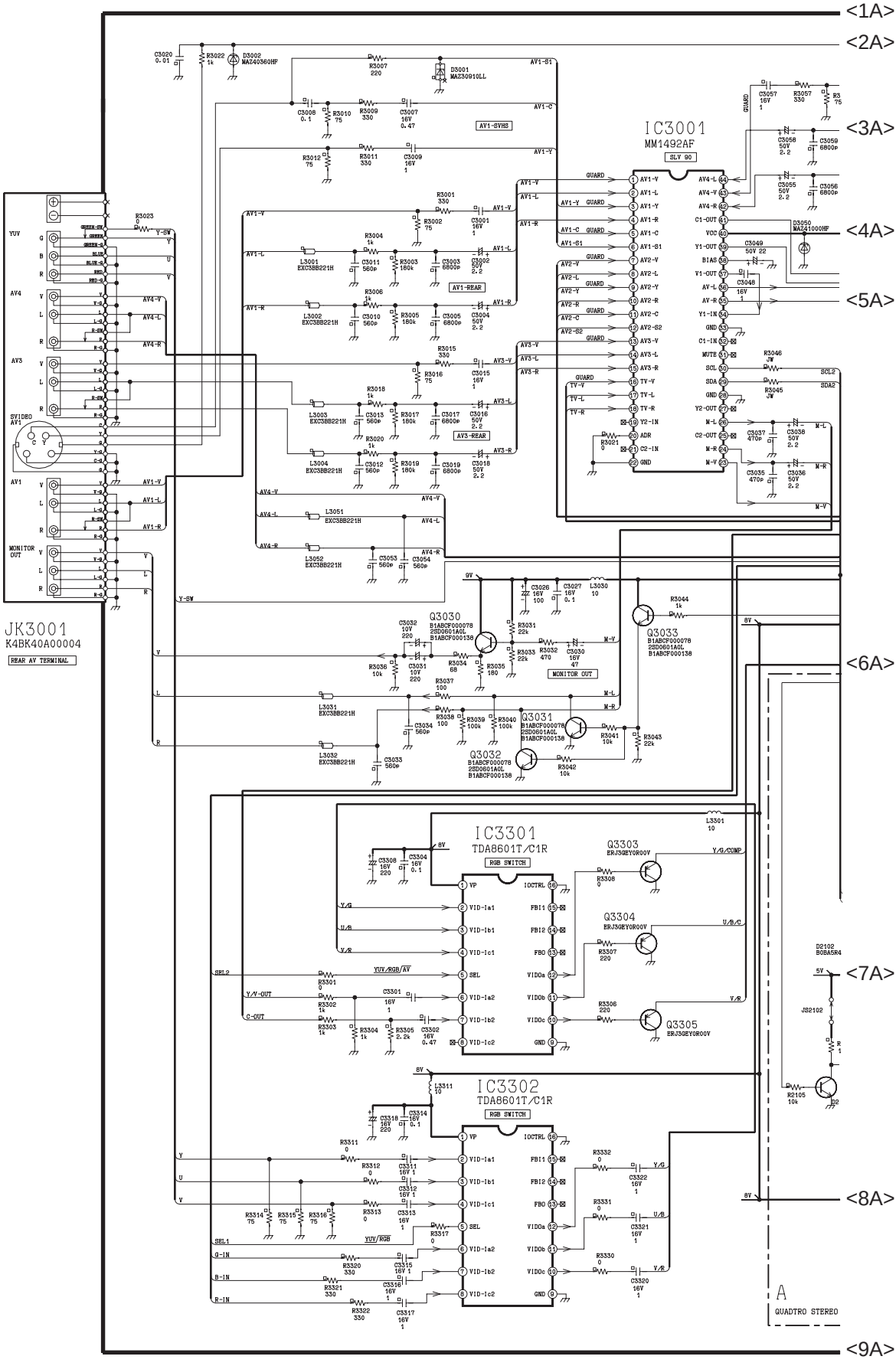
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SLV 90
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Q3304
ERJ3GEY0R00V
Q3305
ERJ3GEY0R00V
IC3302
TDA8601T/C1R
RGB SWITCH
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REAR AV TERMINAL
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B1ABCF000138
Q3031
B1ABCF000078
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2SD0601A0L
B1ABCF000138
Q3033
B1ABCF000078
2SD0601A0L
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AV1-REAR
AV3-REAR
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YUV/RGB
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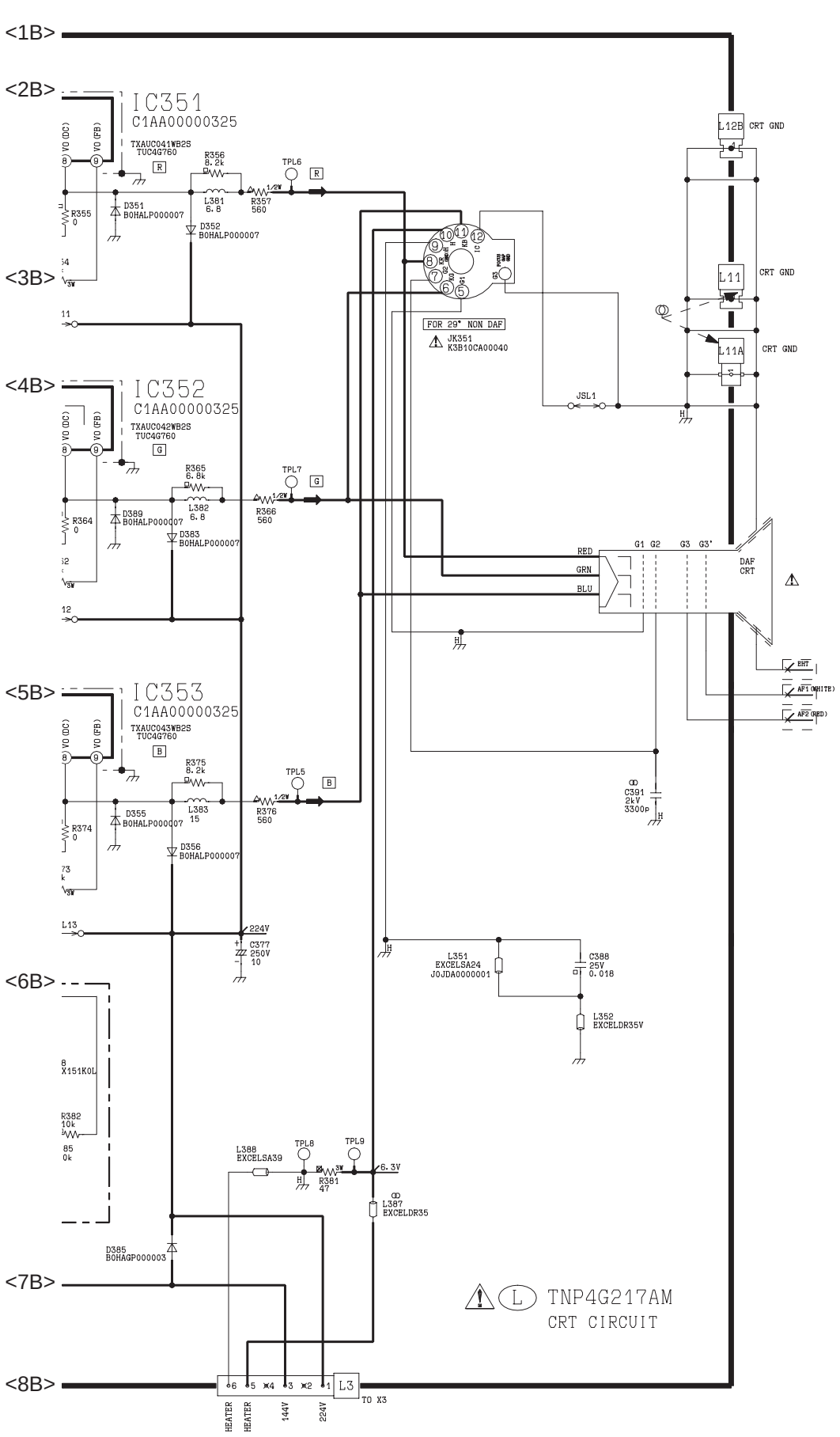
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R
R355
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L381
6.8
R357
560
D352
B0HALP000007
FOR 29" NON DAF
JK351
K3B10CA00040
L12B
CRT GND
L11
CRT GND
L11A
CRT GND
JSL1
IC352
C1AA00000325
TXAUC042WB2S
TUC4G760
G
R365
6.8k
TPL7
R364
0
D389
B0HALP000007
L382
6.8
D383
B0HALP000007
R366
560
RED
GRN
BLU
G1 G2 G3 G3'
DAF
CRT
EHT
AF1(WHITE)
AF2(RED)
IC353
C1AA00000325
TXAUC043WB2S
TUC4G760
B
R375
8.2k
TPL5
R374
0
D355
B0HALP000007
L383
15
D356
B0HALP000007
R376
560
C391
2kV
3300p
L13
224V
C377
250V
10
L351
EXCELSA24
J0JDA0000001
C388
25V
0.018
L352
EXCELDR35V
L388
EXCELSA39
TPL8
TPL9
6.3V
R381
47
L387
EXCELDR35
D385
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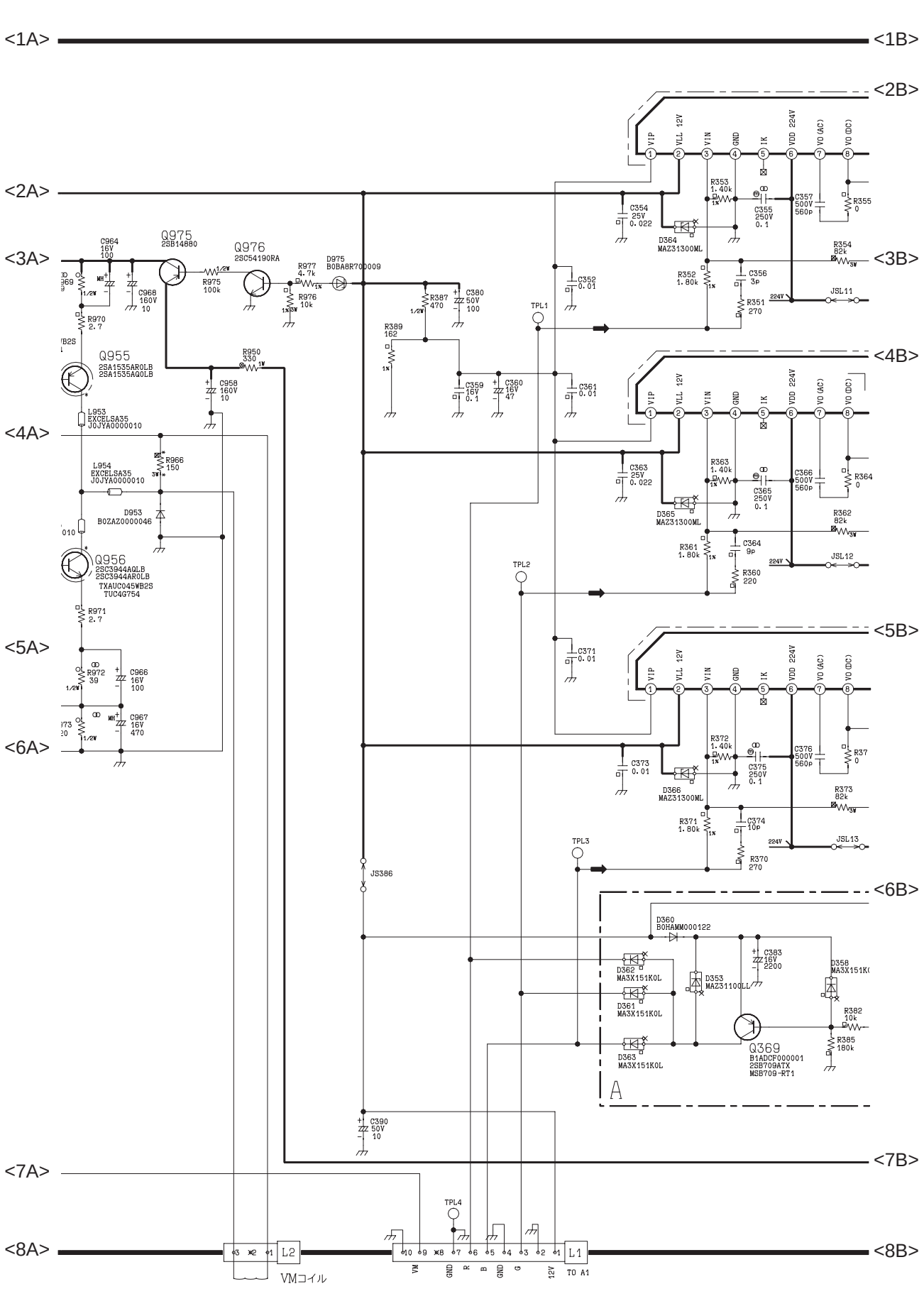
CRT CIRCUIT
L3
TO X3
HEATER
HEATER
144V
224V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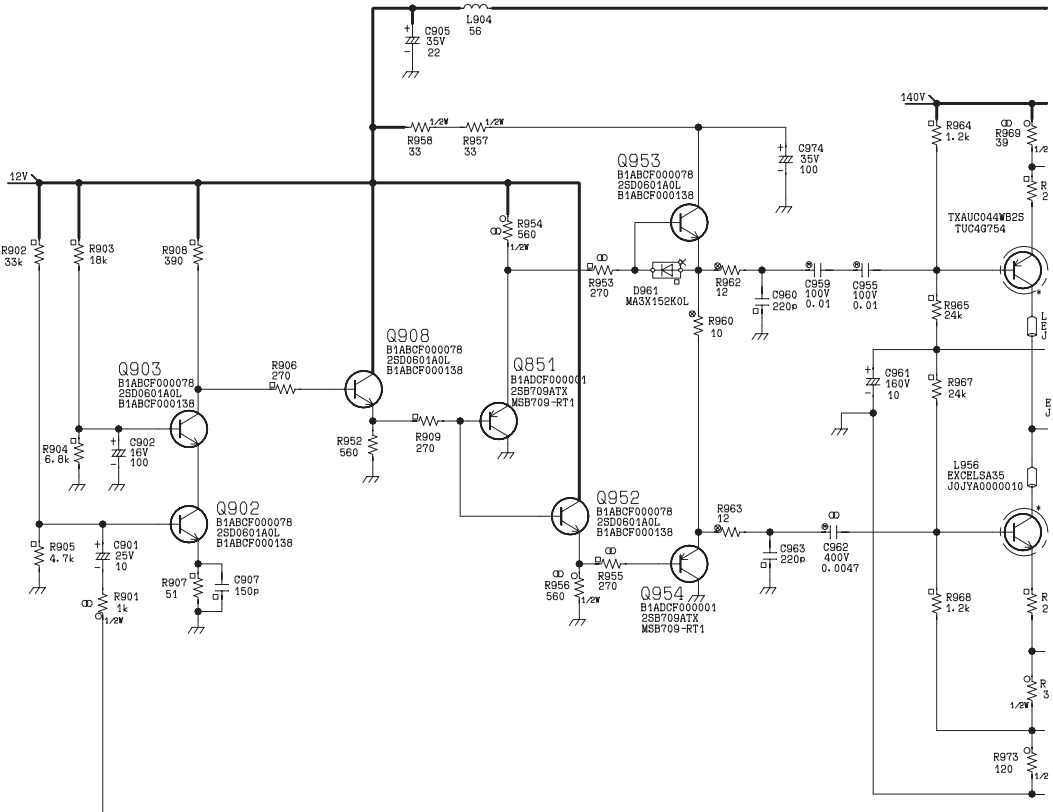
Q956
2SC3944AQLB
2SC3944AR0LB
TXAUC045WB2S
TUC4754
D953
B0ZAZ0000046
L953
EXCELSA35
J0JYA0000010
L954
EXCELSA35
J0JYA0000010
D364
MAZ31300ML
D365
MAZ31300ML
D366
MAZ31300ML
D360
B0HAMM000122
D362
MA3X151K0L
D361
MA3X151K0L
D363
MA3X151K0L
D353
MAZ31100LL
Q369
B1ADCF000001
2SB709ATX
MSB709-RT1
TPL1
TPL2
TPL3
TPL4
JS386
JSL11
JSL12
JSL13
VIP
VLL 12V
VIN
GND
IK
VDD 224V
VO (AC)
VO (DC)
224V
L2
L1
VM
GND
R
B
GND
G
12V
TO A1
VMコイル


12V
140V
L904
56
C905
35V
22
R958
33
R957
33
C974
35V
100
Q953
B1ABCF000078
2SD0601A0L
B1ABCF000138
R954
560
R953
270
D961
MA3X152K0L
R962
12
C960
220p
C959
100V
0.01
C955
100V
0.01
R960
10
R964
1.2k
R969
39
R2
TXAUC044WB2S
TUC4G754
R965
24k
R902
33k
R903
18k
R908
390
Q908
B1ABCF000078
2SD0601A0L
B1ABCF000138
Q851
B1ADCF000001
2SB709ATX
MSB709-RT1
R906
270
R952
560
R909
270
Q903
B1ABCF000078
2SD0601A0L
B1ABCF000138
R904
6.8k
C902
16V
100
C961
160V
10
R967
24k
L956
EXCELSA35
J0JYA0000010
Q952
B1ABCF000078
2SD0601A0L
B1ABCF000138
R963
12
C963
220p
C962
400V
0.0047
R956
560
R955
270
Q954
B1ADCF000001
2SB709ATX
MSB709-RT1
Q902
B1ABCF000078
2SD0601A0L
B1ABCF000138
R905
4.7k
C901
25V
10
R901
1k
R907
51
C907
150p
R968
1.2k
R3
R973
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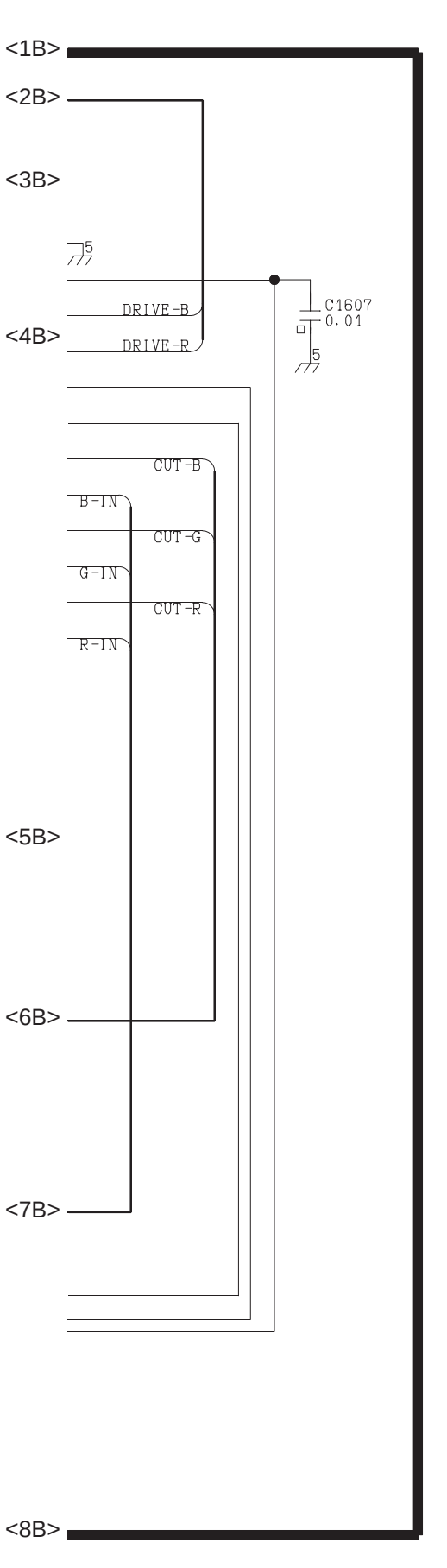
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5
DRIVE-B
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DRIVE-R
C1607
0.01
5
CUT-B
B-IN
CUT-G
G-IN
CUT-R
R-IN
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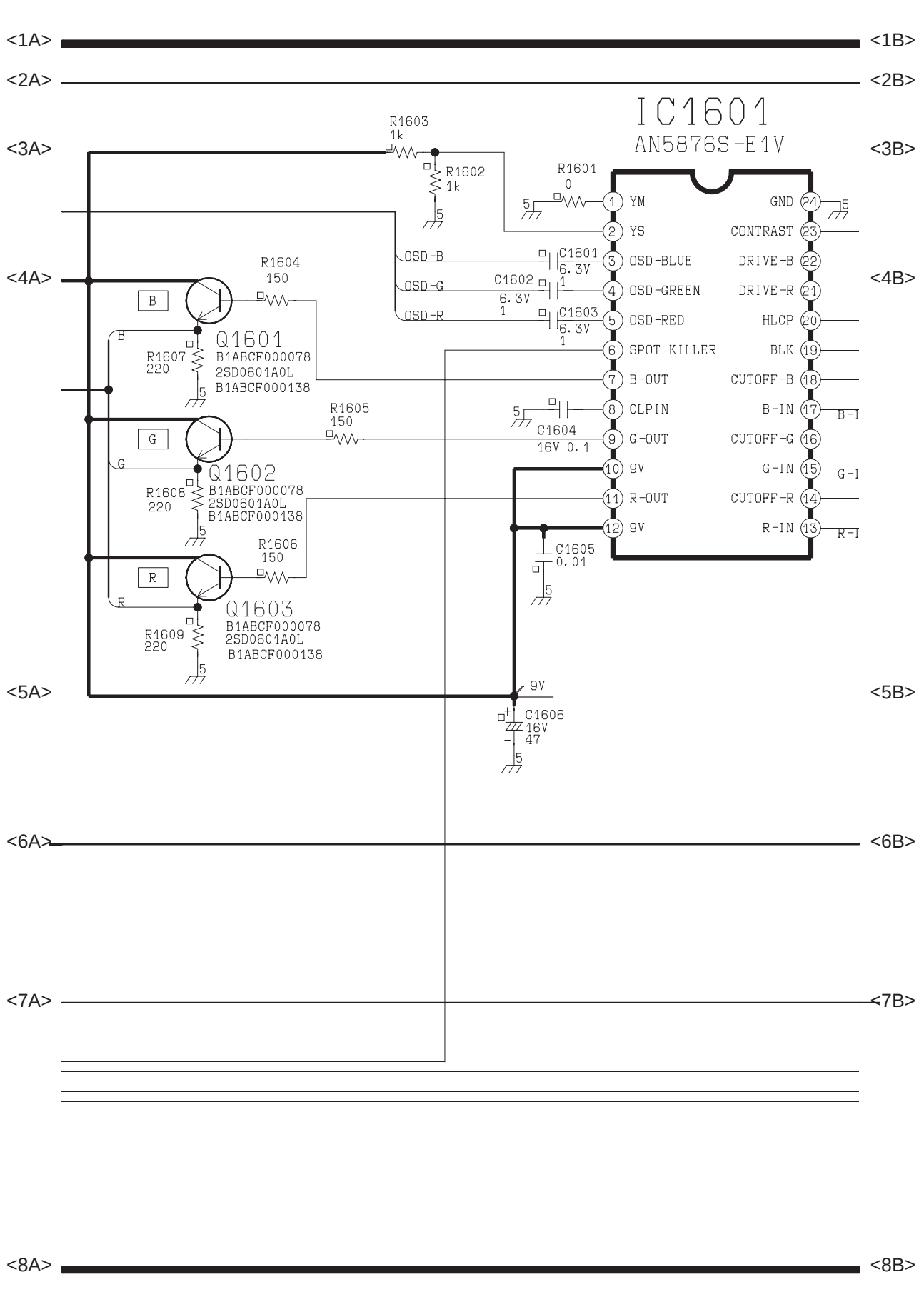
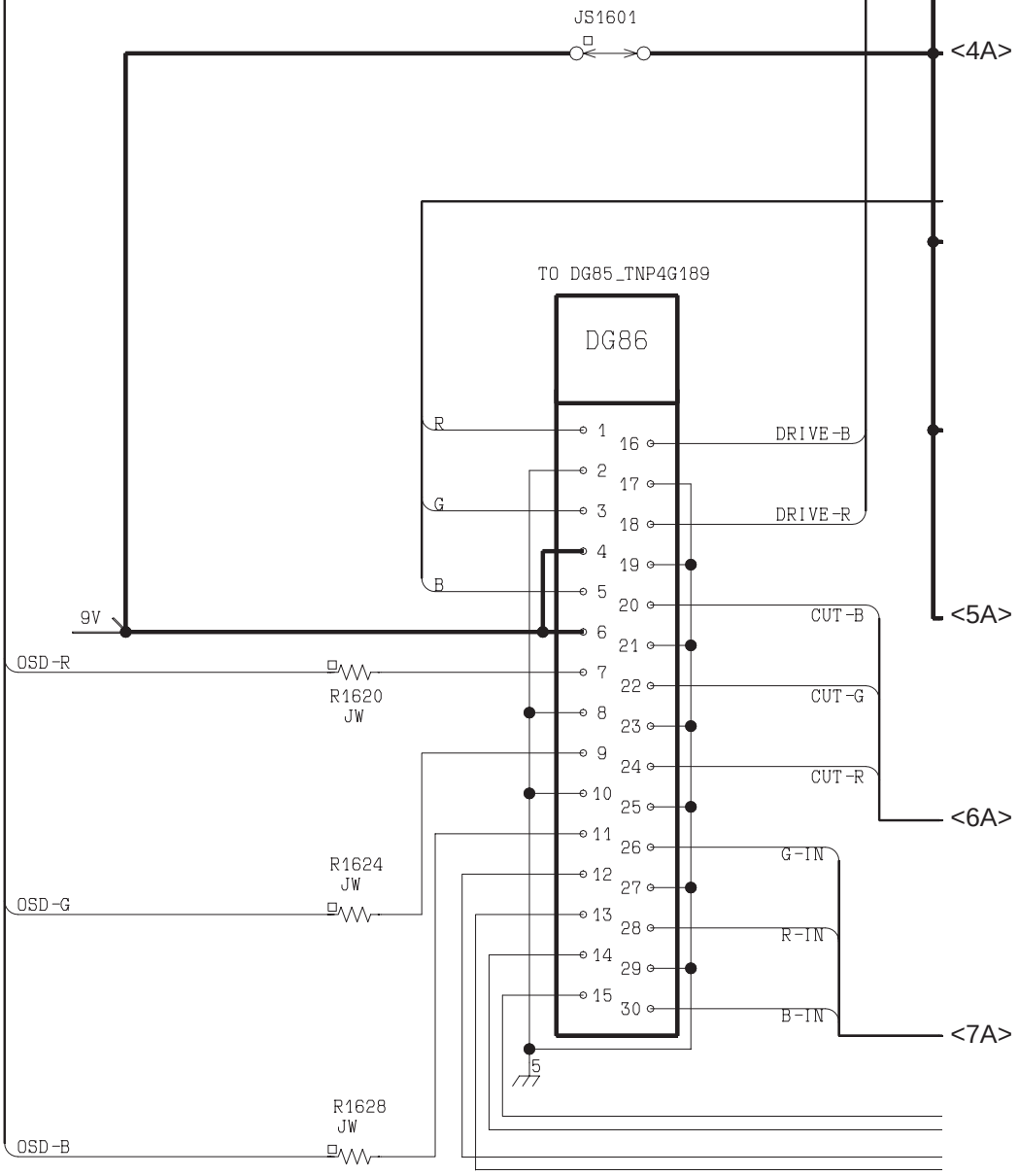
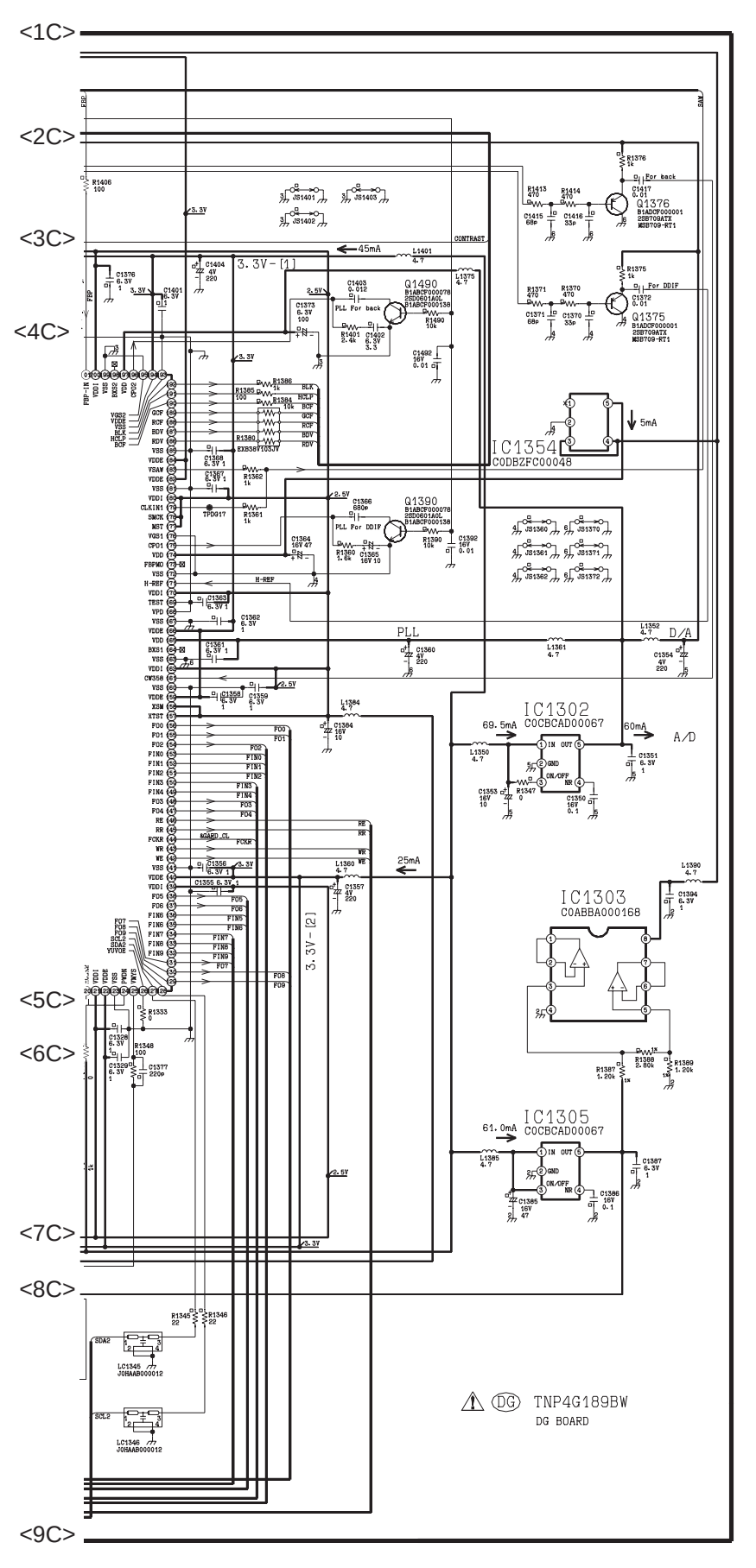

IC1601
AN5876S-E1V
R1603
1k
R1602
1k
R1601
0
R1604
150
R1605
150
R1606
150
Q1601
B1ABCF000078
2SD0601A0L
B1ABCF000138
R1607
220
Q1602
B1ABCF000078
2SD0601A0L
B1ABCF000138
R1608
220
Q1603
B1ABCF000078
2SD0601A0L
B1ABCF000138
R1609
220
C1601
6.3V
C1602
6.3V
C1603
6.3V
C1604
16V 0.1
C1605
0.01
C1606
16V
47
OSD-B
OSD-G
OSD-R
9V
1 YM
2 YS
3 OSD-BLUE
4 OSD-GREEN
5 OSD-RED
6 SPOT KILLER
7 B-OUT
8 CLPIN
9 G-OUT
10 9V
11 R-OUT
12 9V
24 GND
23 CONTRAST
22 DRIVE-B
21 DRIVE-R
20 HLCP
19 BLK
18 CUTOFF-B
17 B-IN
16 CUTOFF-G
15 G-IN
14 CUTOFF-R
13 R-IN
B-I
G-I
R-I

DG2 TNP4G203AG

DG2 BOARD

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3.3V - [2]
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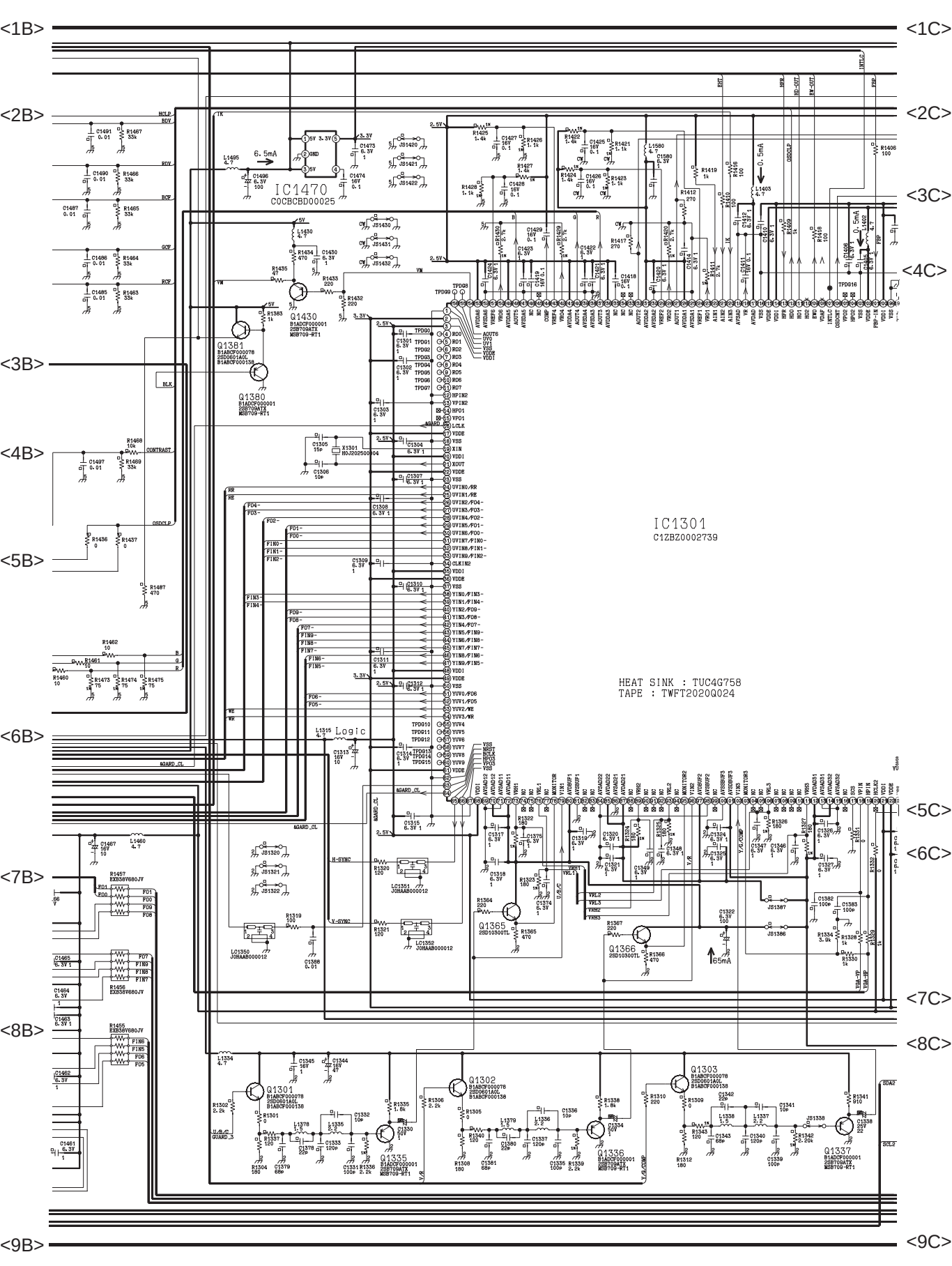
IC1302
C0CBCAD00067
69.5mA
60mA
A/D
IC1303
C0ABBA000168
IC1305
C0CBCAD00067
61.0mA
Q1490
Q1390
Q1376
Q1375
PLL
D/A
CONTRAST
45mA
25mA
5mA
TNP4G189BW
DG BOARD


IC1470
C0CBCBD00025
IC1301
C1ZBZ0002739
Logic
Q1430
Q1381
Q1380
Q1301
Q1302
Q1303
Q1335
Q1336
Q1337
Q1365
Q1366
HEAT SINK : TUC4G758
TAPE : TWFT2020Q024
6.5mA
0.5mA
65mA
H-SYNC
V-SYNC
CONTRAST
BRT
HPA
MD-OUT
FBP
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<1C>
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<2C>
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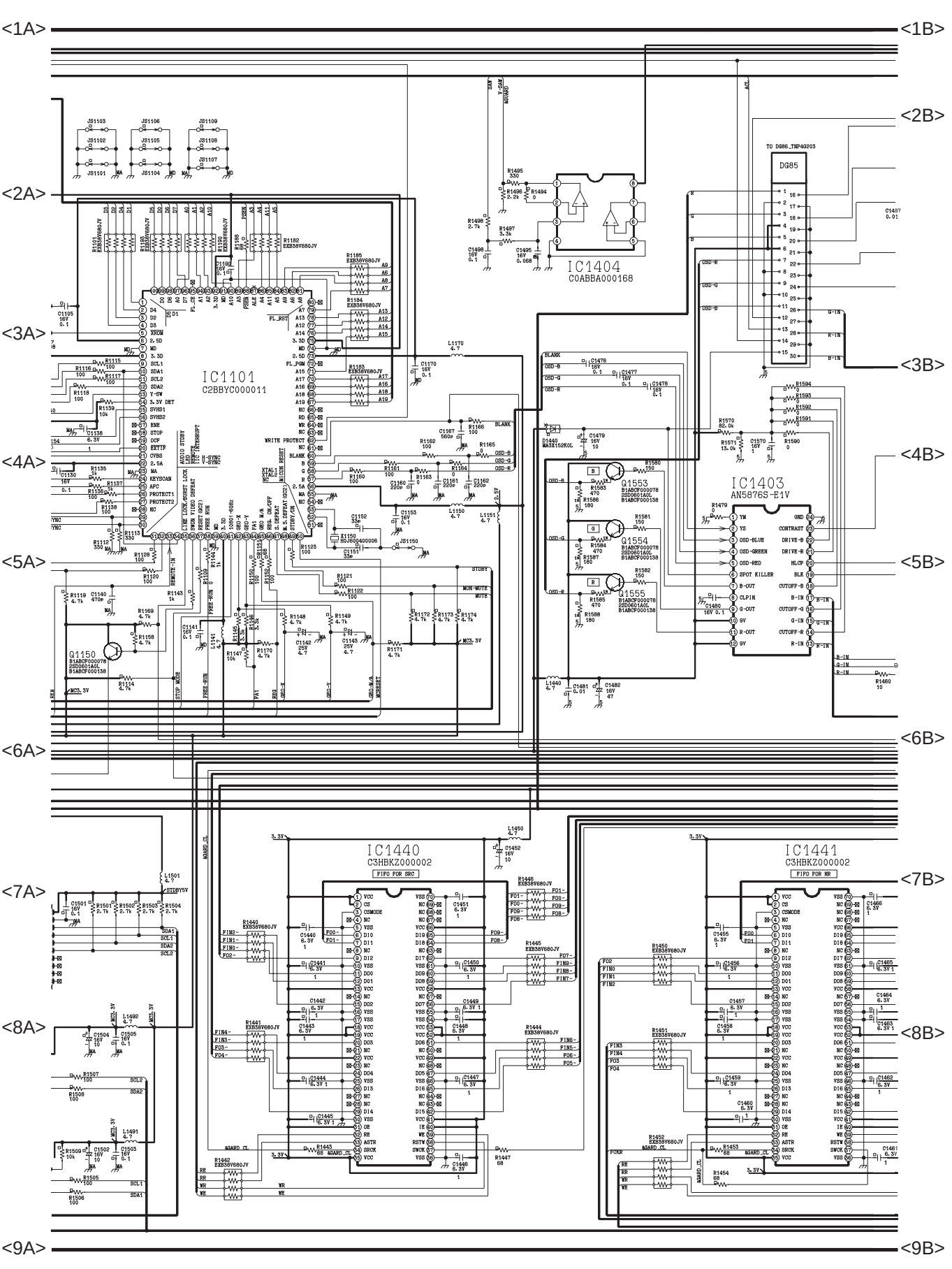
IC1101
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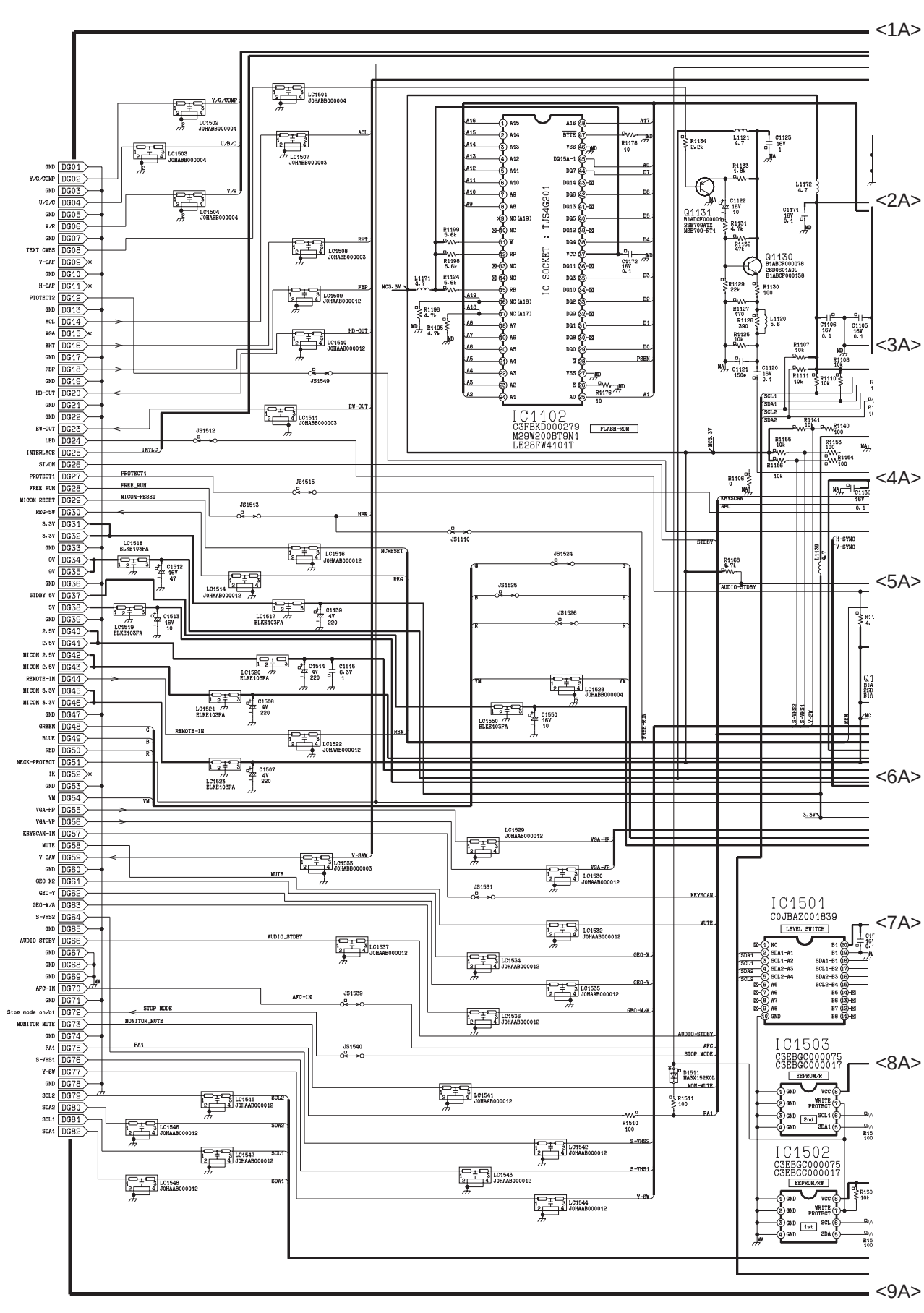
IC1404
C0ABBA000168
IC1403
AN5876S-E1V
IC1440
C3HBKZ000002
FIFO FOR SRC
IC1441
C3HBKZ000002
FIFO FOR NR
DG85
TO DG86_TNP4G203
Q1150
Q1553
Q1554
Q1555
JS1101
JS1102
JS1103
JS1104
JS1105
JS1106
JS1107
JS1108
JS1109
JS1150
STDBY
MUTE
NON-MUTE
REMOTE-IN
FREE-RUN
STOP MODE
BLANK
OSD-R
OSD-G
OSD-B
R-IN
G-IN
B-IN
3.3V
5.0V
MC3.3V
BOARD CL
WR
RD
FO1-
FO0-
FO9-
FO8-
FI1-
FI0-
FI9-
FI8-
FO2-
FI2-
FO3-
FI3-
FO4-
FI4-
FO5-
FI5-
FO6-
FI6-
FO7-
FI7-


IC1102
C3FBKD000279
M29W200BT5N1
LE28FW4101T
FLASH-ROM
IC SOCKET : TJS49201
IC1501
C0JBAZ001839
LEVEL SWITCH
IC1503
C3EBGC000075
C3EBGC000017
EEPROM/R
IC1502
C3EBGC000075
C3EBGC000017
EEPROM/RW
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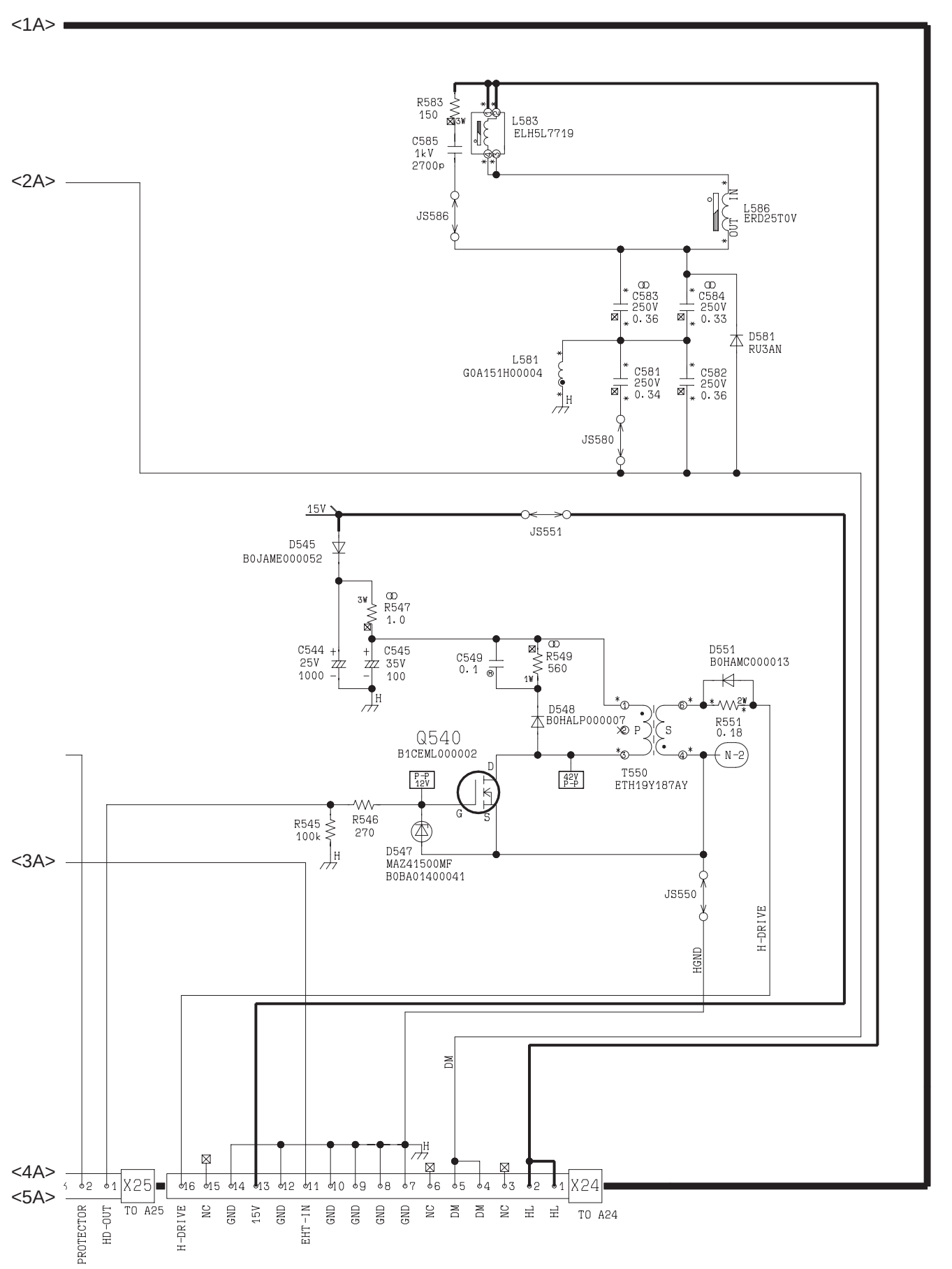
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R583
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3W
L583
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1kV
2700p
JS586
L586
ERD25T0V
IN
OUT
C583
250V
0.36
C584
250V
0.33
D581
RU3AN
L581
G0A151H00004
H
C581
250V
0.34
C582
250V
0.36
JS580
15V
JS551
D545
B0JAME000052
3W
R547
1.0
C544
25V
1000
C545
35V
100
C549
0.1
R549
560
1W
D551
B0HAMC000013
2W
R551
0.18
D548
B0HALP000007
P
S
Q540
B1CEML000002
D
G
S
P-P
12V
42V
P-P
T550
ETH19Y187AY
N-2
R545
100k
R546
270
D547
MAZ41500MF
B0BA01400041
JS550
HGND
H-DRIVE
DM
X25
X24
TO A25
TO A24
PROTECTOR
HD-OUT
H-DRIVE
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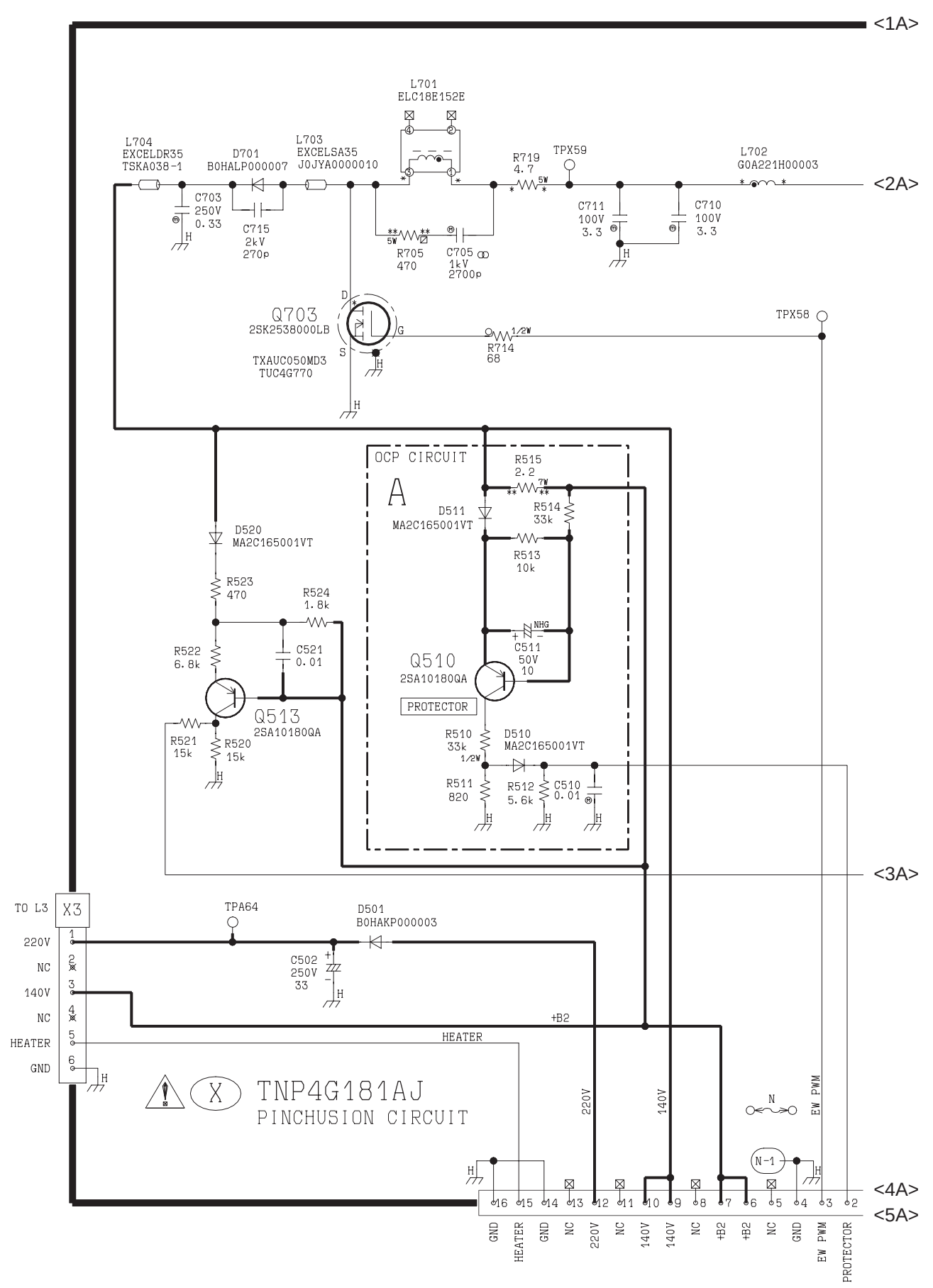
GND
EHT-IN
GND
GND
GND
GND
NC
DM
DM
NC
HL
HL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4.7
5W
TPX59
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250V
0.33
C715
2kV
270p
R705
470
C705
1kV
2700p
C711
100V
3.3
C710
100V
3.3
Q703
2SK2538000LB
TXAUC050MD3
TUC4G770
R714
68
1/2W
TPX58
OCP CIRCUIT
A
R515
2.2
7W
D511
MA2C165001VT
R514
33k
R513
10k
D520
MA2C165001VT
R523
470
R524
1.8k
R522
6.8k
C521
0.01
NHG
C511
50V
10
Q510
2SA101180QA
PROTECTOR
Q513
2SA101180QA
R521
15k
R520
15k
R510
33k
1/2W
D510
MA2C165001VT
R511
820
R512
5.6k
C510
0.01
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TO L3
X3
TPA64
D501
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220V
NC
140V
NC
HEATER
GND
C502
250V
33
+B2
HEATER
TNP4G181AJ
PINCHUSION CIRCUIT
220V
140V
N
EW PWM
N-1
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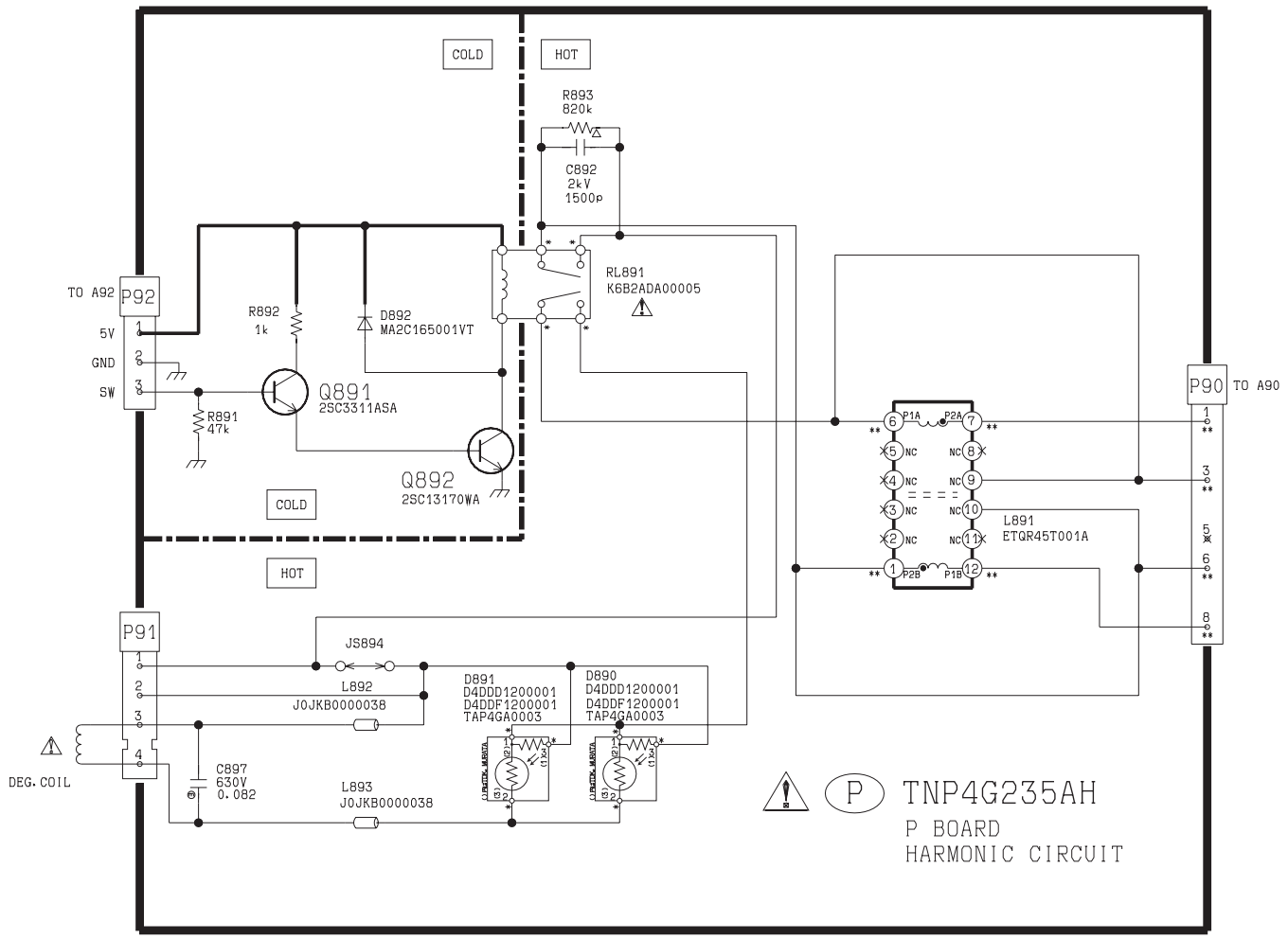
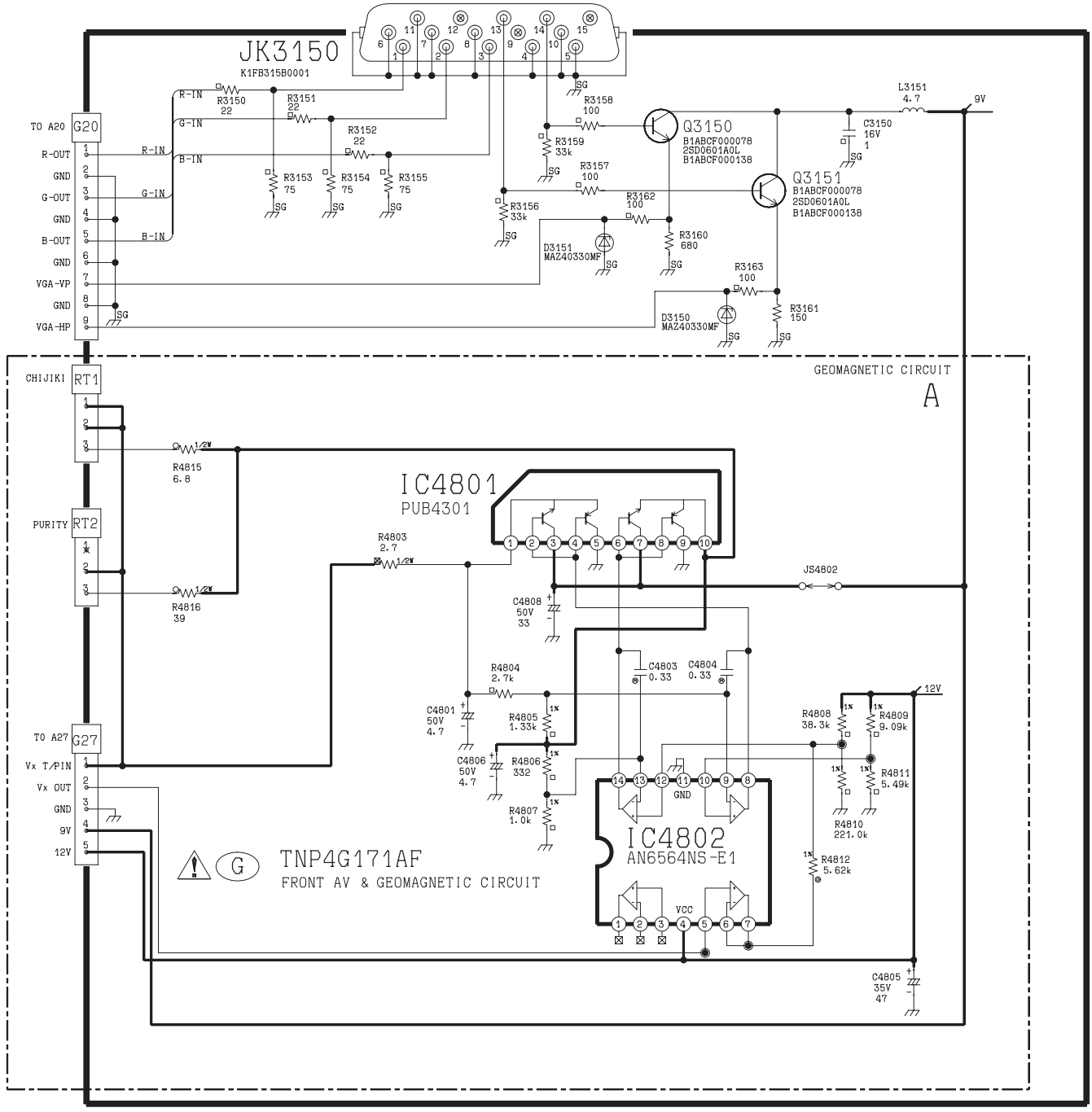
<5A>
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2
GND
HEATER
GND
NC
220V
NC
140V
140V
NC
+B2
+B2
NC
GND
EW PWM
PROTECTOR


COLD
HOT
R893
820k
C892
2kV
1500p
RL891
K6B2ADA00005
TO A92
P92
5V
GND
SW
R892
1k
D892
MA2C165001VT
Q891
2SC3311ASA
R891
47k
Q892
2SC13170WA
COLD
HOT
P91
JS894
L892
J0JKB0000038
D891
D4DDD1200001
D4DDF1200001
TAP4GA0003
D890
D4DDD1200001
D4DDF1200001
TAP4GA0003
DEG. COIL
C897
630V
0.082
L893
J0JKB0000038
P1A
P2A
P2B
P1B
NC
L891
ETQR45T001A
P90
TO A90
TNP4G235AH
P BOARD
HARMONIC CIRCUIT


JK3150
K1FB315B0001
TO A20
G20
R-OUT
GND
G-OUT
GND
B-OUT
GND
VGA-VP
GND
VGA-HP
R-IN
G-IN
B-IN
R3150 22
R3151 22
R3152 22
R3153 75
R3154 75
R3155 75
R3156 33k
R3157 100
R3158 100
R3159 33k
R3160 680
R3161 150
R3162 100
R3163 100
Q3150
B1ABCF000078
2SD0601A0L
B1ABCF000138
Q3151
B1ABCF000078
2SD0601A0L
B1ABCF000138
D3151 MAZ40330MF
D3150 MAZ40330MF
C3150 16V 1
L3151 4.7
9V
SG
GEOMAGNETIC CIRCUIT
A
CHIJIKI
RT1
PURITY
RT2
R4815 6.8
R4816 39
IC4801
PUB4301
R4803 2.7
JS4802
C4808 50V 33
C4803 0.33
C4804 0.33
R4804 2.7k
C4801 50V 4.7
R4805 1.33k
C4806 50V 4.7
R4806 332
R4807 1.0k
12V
R4808 38.3k
R4809 9.09k
R4811 5.49k
R4810 221.0k
R4812 5.62k
GND
IC4802
AN6564NS-E1
VCC
C4805 35V 47
TO A27
G27
Vx T/PIN
Vx OUT
GND
9V
12V
TNP4G171AF
FRONT AV & GEOMAGNETIC CIRCUIT